Digitized by the Internet Archive
in 2014

https://archive.org/details/b19974760M4313

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 25 1959

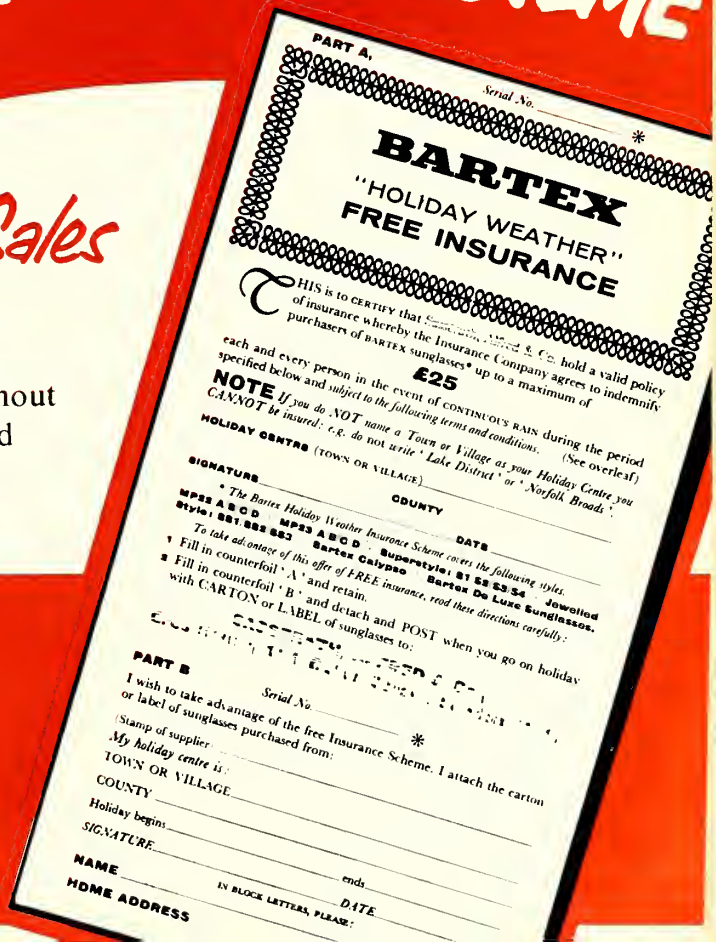
...W! 50% more
...ARTEX PLUS
...V. Advertising

Unique FREE
INSURANCE SCHEME

...uarantees your BARTEX Sales

...'s 50% more TV advertising for Bartex sunglasses
...ear. Nation-wide coverage on *all* channels. Bartex
...asses in every TV home, *three* times a week throughout
...oliday season . . . sales, sales, sales, every time! And
... *free Holiday Weather Insurance* with most Bartex
...s! Stock up now for peak demand.

BARTEX
...e first nationally advertised
SUNGLASSES – with
£100,000 backing
over the last 4 years


PART A.
Serial No. ____ *
BARTEX
"HOLIDAY WEATHER"
FREE INSURANCE
THIS is to CERTIFY that ... & Co. hold a valid policy of insurance whereby the Insurance Company agrees to indemnify purchasers of BARTEX sunglasses* up to a maximum of
£25
each and every person in the event of CONTINUOUS RAIN during the period specified below and subject to the following terms and conditions. (See overleaf)
NOTE If you do NOT name a Town or Village as your Holiday Centre you CANNOT be insured: e.g. do not write 'Lake District' or 'Norfolk Broads'.
HOLIDAY CENTRE (TOWN OR VILLAGE) ____
COUNTY ____
SIGNATURE ____ DATE ____
* The Bartex Holiday Weather Insurance Scheme covers the following styles.
MP88 A B C D . MP33 A B C D . Superstyle: 81 82 83 84 . Jewelled Style: 881 882 883 . Bartex Calypso . Bartex De Luxe Sunglasses.
To take advantage of this offer of FREE insurance, read these directions carefully:
1 Fill in counterfoil 'A' and retain.
2 Fill in counterfoil 'B' and detach and POST when you go on holiday with CARTON or LABEL of sunglasses to:
...
PART B
Serial No. ____ *
I wish to take advantage of the free Insurance Scheme. I attach the carton or label of sunglasses purchased from:
(Stamp of supplier) ____
My holiday centre is: ____
TOWN OR VILLAGE ____
COUNTY ____
Holiday begins ____ ends ____
SIGNATURE ____ DATE ____
NAME ____ IN BLOCK LETTERS, PLEASE:
HOME ADDRESS ____

PRECORTISYL

PREDNISOLONE

SKIN LOTION:

solution of prednisolone in a spray bottle



Quick and easy application

Economical:
wide application with minimal quantity

'No-touch' application:
avoidance of pain, and possible infection from finger spreading

SKIN CREAM:

a vanishing cream of soluble prednisolone in a water-miscible vehicle

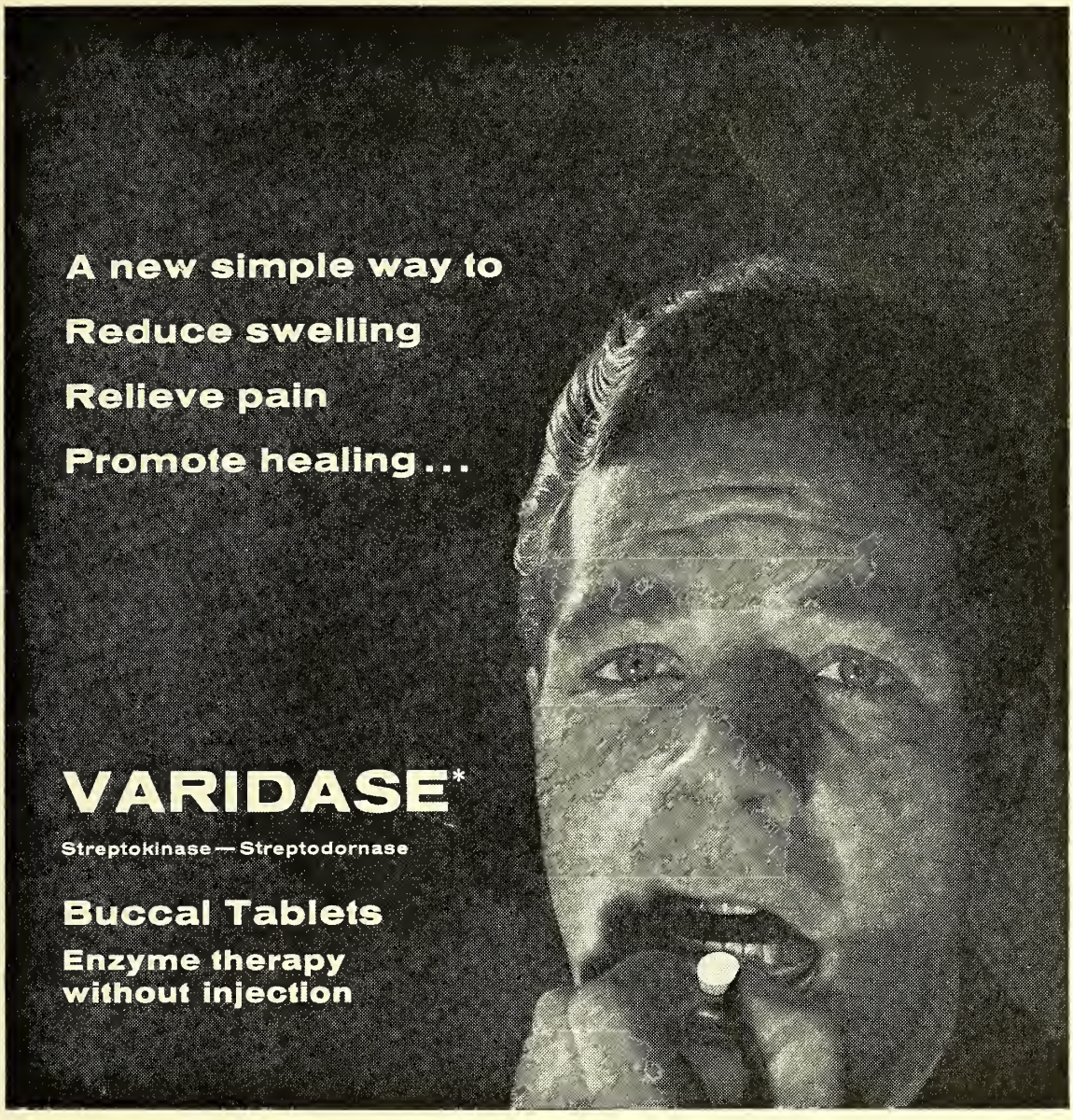
PACKINGS

PreCortisyl Skin Lotion :	0.25% prednisolone in 20 ml. plastic spray bottle
PreCortisyl Skin Cream :	0.25% and 0.5% prednisolone. Tubes of 5 and 15 G.

ROUSSEL

LONDON, N.W.10
LADbroke 6611

LS/77



VARIDASE Buccal Tablets are absorbed rapidly through the buccal mucosa. Indications include thrombophlebitis, cellulitis, abscesses and similar skin infections, sprains and fractures, and inflammatory conditions where pain and swelling are evident.

Mint flavoured tablets containing 10,000 units of streptokinase and at least 2,500 units of streptodornase. Packing and basic N.H.S. cost 12 Tablets £1-1-8.

*REGD. TRADEMARK

Lederle LEDERLE LABORATORIES
a division of
CYANAMID OF GREAT BRITAIN LTD. London W.C.2
CYANAMID

A

Quinine Ethylcarbonate
Cinchonidine Hydrochloride

ADDED TO THE EXEMPTION LIST
Board of Trade Order 521 MARCH, 1959

Now available at reduced
DUTY FREE PRICES

---

all other
CINCHONA DERIVATIVES
including

QUININE | CINCHONIDINE
QUINIDINE | QUINETUM
CINCHONINE | QUINOIDINE
and their salts

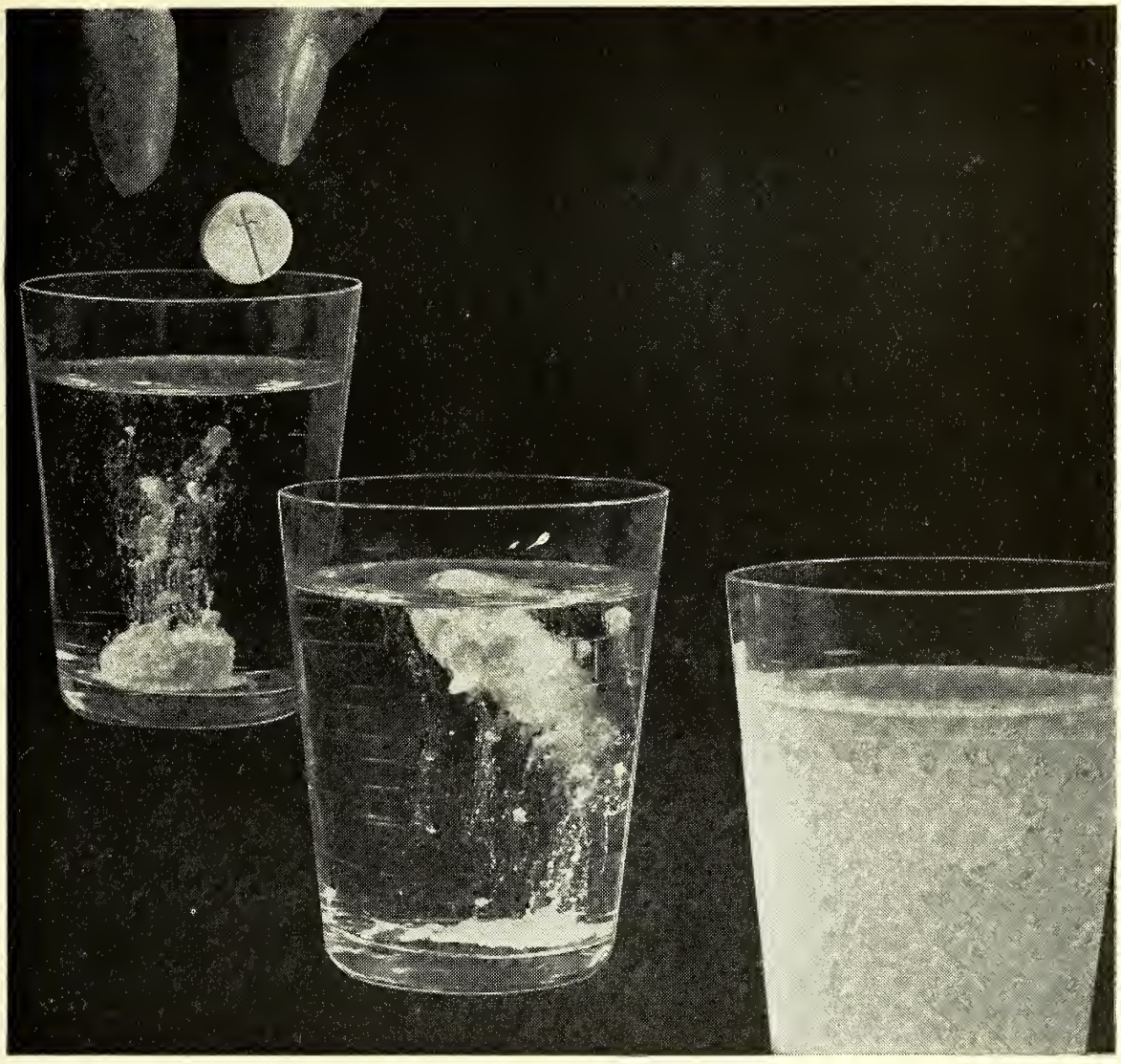
Manufactured by
NEDERLANDSCHE COMBINATIE VOOR CHEMISCHE INDUSTRIE AMSTERDAM

AT COMPETITIVE PRICES

from

R. W. GREEFF & Co. Ltd.

LONDON



SOLPRIN · CODIS · CAFDIS

Their place to-day

General acceptance won by Solprin, Codis and Cafdis is due to their aspirin content being soluble and substantially neutral. Consequently all three are quick acting and are far less likely to upset the stomach.

Medical opinion to-day is overwhelmingly in support of soluble aspirin. This is why doctors prescribe Solprin, Codis or Cafdis, and this is why the chemist dispenses them so often.

SOLPRIN *Neutral soluble aspirin.*

CODIS *Soluble aspirin with codeine and phenacetin.*

CAFDIS *Soluble aspirin, phenacetin and caffeine.*

RECKITT & SONS LTD., PHARMACEUTICAL DEPARTMENT, HULL

The following articles are very firm at origin :

ALOES CURAÇAO
CHAMOMILE FLOWERS
GENTIAN ROOT
GUM ACACIA
GUM BENZOIN
GUM GUAIACUM
JALAP ROOT V.C.
RHUBARB
WILD CHERRY BARK

Send us your inquiry—we hold stocks.

BROME & SCHIMMER LTD
7 LEATHER MARKET, LONDON, S.E.1.
Telephone: HOP 0825/7.

60 Years' Repute as the Family Remedy for Indigestion

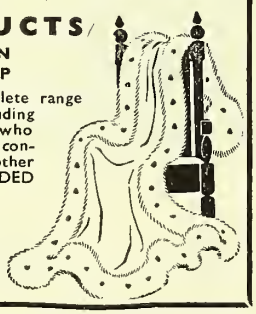


P.A.T.A. Retail Prices 1/7, 3/8, 6/-, 13 9, 25/- (including tax).

BOX'S
INDIGESTION PILLS
W. H. BOX, 47 COBOURG ST., PLYMOUTH

Whitaker's for Dyes
"LUTON" STRAW HAT DYES and
"AURORAL" COLD WATER DYES
are nationally advertised and are regularly requested.
Attractive Pattern Cards and Showcards supplied.
Write for Order Form giving full lists of colours, prices and terms to:
WHITAKER & CO. (KENDAL) LTD., KENDAL.

QUEEN
Non Allergic
BEAUTY PRODUCTS
THE SAFETY FACTOR IN EVERY DAY MAKE-UP
Queen beauty products form a complete range of toilet and beauty preparations, including lipsticks, specially for those women who have sensitive skins. Queen products contain no orris in any form, nor any other skin irritants AND ARE RECOMMENDED BY THE MEDICAL PROFESSION.
Obtainable from Messrs. Sangers Ltd and Allied Companies, or direct from your Wholesaler.
BOUTALLS CHEMISTS LTD.
60 Lamb's Conduit St., London, W.C.1



Culmak
SHAVING BRUSHES

BURROUGH'S
S.V.R. DOUBLY RECTIFIED
JAMES BURROUGH LTD.,
I CALE DISTILLERY LONDON S.E.11

Buckley Bowker Tablet Co. Ltd.
29 Parkfield Street, London, N.1.
Telephone: Canonbury 3401
Manufacturers of the highest Standard
Contraceptive Foam Tablets



and of every kind of Quality Tablets to Customer's own formulation . . . .

PHARMACEUTICAL FORMULAS
VOL. II **900 pages of FORMULAS**
ADHESIVES · COSMETICS · DENTAL PREPARATIONS · HORTICULTURAL PRODUCTS
PERFUMERY · PESTICIDES · TOILET PREPARATIONS
VETERINARY PREPARATIONS
Thoroughly revised by a team of specialists ● Unrivalled of its kind
PRICE **42/-** *postage 1/9d.*
Order direct from:
THE CHEMIST & DRUGGIST
28 ESSEX ST., STRAND, LONDON, W.C.2

INDEX TO ADVERTISERS

Acme Vacuum Flask Division 30
Adwel Adding Machines, Ltd. 26
Aspro Nicholas, Ltd. 7
Associated Fumigators, Ltd. 58
Associated TeleVision, Ltd. 10, 11
Ayrton, Saunders & Co., Ltd. 48

Bakelite, Ltd. 49
Barnett & Foster, Ltd. 60
Beatson, Clark & Co., Ltd. 59
British Felsol Co., Ltd. .....Cover iv
British Railways 60
Boehringer, C. H. Sohn 27
Boutall Chemists, Ltd. 4
Box, W. H. 4
Brome & Schimmer, Ltd. 4
Brown, Neville & Co., Ltd. 61
Brown, N. C., Ltd. 60
Buckley Bowker Tablet Co., Ltd. 4
Burrough, James, Ltd. 4

Cannon Rubber Manufacturers, Ltd. 29
Carnegies of Welwyn, Ltd. 37
Christy, Thos., & Co. 6
Cocker Chemical Co., Ltd. 40
Colibri Hygiene Co., Ltd. 14
Cooper, McDougall & Robertson, Ltd. 46, 47
Cox, Arthur H., & Co., Ltd. 19
Cresswell Bros. Sponges 50
Culmak, Ltd. 4
Cussons, Sons & Co., Ltd. 13
Cuxson, Gerrard & Co., Ltd. 40

Daniel, Richard, & Son, Ltd. 5

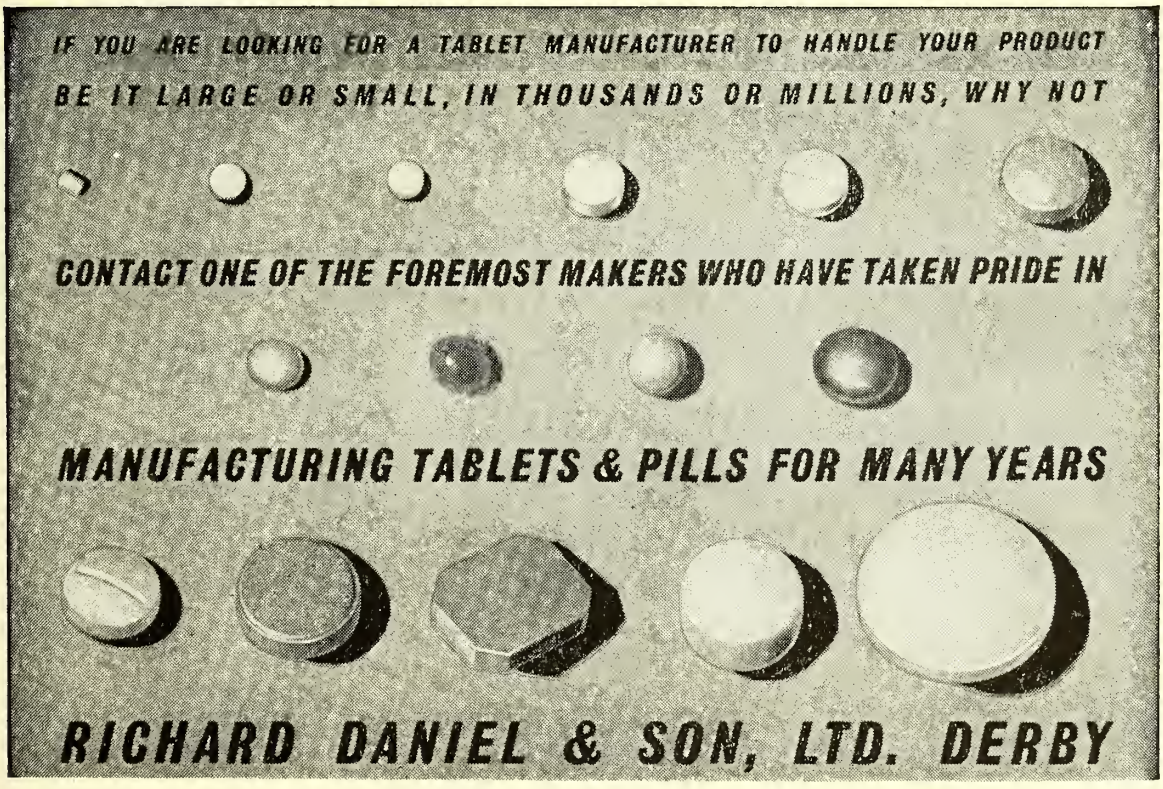
Elga Products, Ltd. .....Interleaved Edit., 461
Ellis, J. E., Ltd. 60

"FRAM" 38
Franks, Alfred, & Bartlett .....Front Cover
Freeman, Wm., & Co., Ltd. 57
Furman, B. N. (Productions), Ltd. 58

George, Ernest J., & Co. .....Classified Section
Glaxo Laboratories, Ltd. 34
Golden, Ltd.—Ambre Solaire 28
Greeff, R. W., & Co., Ltd. 2
Guest, Thos., & Co., Ltd. 63

Halex, Ltd. 39
Hampshire, F. W., & Co., Ltd. 41
Heinz, H. J., Co., Ltd. 33
Highgate Optical Mfg. Co., Ltd. 7
Holloway, E. R., Ltd. 55
Hormo Pharma, Ltd. 42

(continued overleaf)



Write us at Mansfield Road or ring Derby 40671 (Ten lines)

INDEX (cont.)

Imperial Chemical Industries, Ltd., Pharmaceuticals Division 29
International Bottle Co., Ltd. 56

Jeffreys, Miller & Co., Ltd. 63
Jeyes' Ibeo Sales, Ltd. 31, 58

Kearsley, C. & G., Ltd. 63
Key Glassworks, Ltd. 52

Laughton & Sons, Ltd. 51
Lederle Laboratories Division 1
Lenton Produets, Ltd. 58

Manesty Machines, Ltd. 42
Max Factor Hollywood & London (Sales), Ltd. ..44, 45
Medico-Biological Laboratories, Ltd. 50
Metal Box Co., Ltd. 18
Mum Mist 24, 25

National Glass Works (York), Ltd. 43
New Hygiene 8
Northam Warren, Ltd. 20, 21

Ormskirk Photo Services 63
Orridge & Co. ..... Classified Section

Parke, Davis & Co., Ltd. ..... Interleaved Edit., 35
Philippe, Louis 8

Q-Tips (G.B.), Ltd. 53

Radiol Chemicals, Ltd. 32
Rapidol, Ltd. 54
Reckitt & Sons, Ltd. 3
Rees, L., & Co.—Isovac 22, 23
Riddell Produets, Ltd. 48
Roberts Windsor, Ltd. 17
Robinson Bros., Cork Growers, Ltd. 54
Roussel Laboratories ..... Cover ii

Scholl Mfg. Co., Ltd. 16
Scott & Turner, Ltd. ..... Interleaved Edit., 36
Smith & Hill (Chemists), Ltd. 54
Smith, Kline & French Laboratories, Ltd. 12

Thompson & Capper, Ltd. 9, 15

United Glass, Ltd. ..... Cover iii

Vitamins, Ltd. ..... Interleaved Edit., 462

Whitaker & Co. (Kendal), Ltd. 4

stock today-sell tomorrow

STOCK Christy's Emulsion and enjoy your full share of the extra trade accruing from the steadily rising demand for this well-known product.

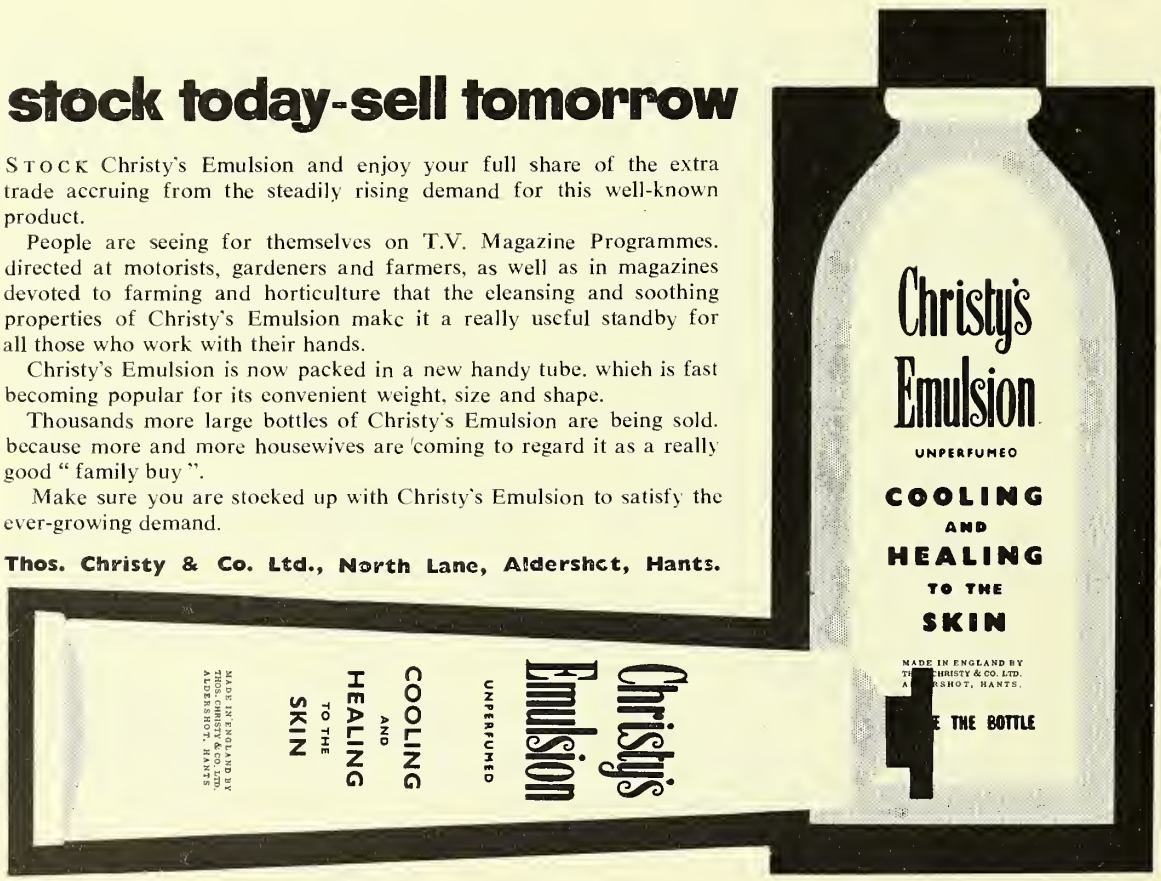
People are seeing for themselves on T.V. Magazine Programmes, directed at motorists, gardeners and farmers, as well as in magazines devoted to farming and horticulture that the cleansing and soothing properties of Christy's Emulsion make it a really useful standby for all those who work with their hands.

Christy's Emulsion is now packed in a new handy tube, which is fast becoming popular for its convenient weight, size and shape.

Thousands more large bottles of Christy's Emulsion are being sold, because more and more housewives are coming to regard it as a really good "family buy".

Make sure you are stocked up with Christy's Emulsion to satisfy the ever-growing demand.

Thos. Christy & Co. Ltd., North Lane, Aldershot, Hants.



ASPRO-NICHOLAS ANNOUNCE

NEW PRICES FOR 'ASPRO' AND PERSOMNIA

Trade Price. *New trade prices (which are subject to 25% purchase tax on trade price) are as follows :*

Pack	Pack in Dozens	Points value per pack	Trade Price per pack	Parcel Prices per Pack					
				30-49 Points	50-89 Points	90-129 Points	130-159 Points	160-249 Points	250 & Over
Pocket	6 doz. box	5	**21/6**	**20/5**	**19/11**	**19/4**	**18/10**	**18/10**	**18/10**
Handy	1½ doz. box	4	**20/7**	**19/7**	**19/–**	**18/6**	**18/–**	**18/–**	**18/–**
Handy	3 doz. box	8	**41/2**	**39/2**	**38/–**	**37/–**	**36/–**	**36/–**	**36/–**
Family	1 doz. box	5	**24/1**	**22/11**	**22/3**	**21/8**	**21/1**	**21/1**	**21/1**
	TERMS IN CODE			**1**	**2**	**3**	**4**	**5**	**6**

Retail Price: Pocket Pack 6d. Handy Pack 1/9d. Family Pack 3/1d.

PERSOMNIA

Trade Price: No change.

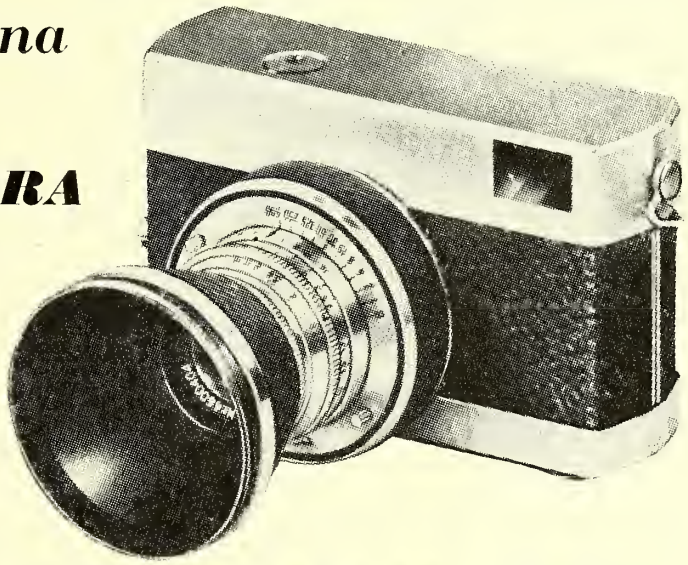
Retail prices have been reduced as follows: 16 Pack 2/8d. 36 Pack 5/4d. 100 Pack 13/2d.

ASPRO-NICHOLAS LTD · BATH ROAD · SLOUGH · BUCKS

Carl Zeiss—Jena

35 mm.

WERRA CAMERA



- f/2.8 Tessar Coated Lens
- XMV Synchronisation
- Synchro-Compur Shutter 1 sec. to 1/500 sec.
- Reversible Lens Hood
- New Film Transport

Tremendous Value—ONLY £19.8.6

(E.R. Cases available)

Sole Wholesale Distributors :

HIGHGATE OPTICAL MFG. CO. LTD., 44 HATTON GARDEN, LONDON, E.C.1. *Hol 8271/2*

7 GOOD reasons why you should stock

Louis Philippe LIPSTICKS

1. Maximum margin of profit.
2. Special bonus of thirteen to the dozen, giving 8½% EXTRA profit.
3. Selected stockists only.
4. All orders delivered, carriage paid, anywhere in the British Isles. Immediate despatch of any quantity.
5. Supporting advertising in leading women's magazines.
6. Free samples, testers and display material in generous quantities.
7. Always first with the new fashion colours.



Sole Distributor : E. M. DOUEK, 159 EDGWARE ROAD, LONDON, W.2. *Telephone: PADdington 6875*

PB

Start your own
Scentinel *Hygiene Dept*
It MAKES Sales



This striking display stand is making regular, profitable sales of Scentinel products all over the country. Scentinel products are widely and CONTINUOUSLY advertised. Send in coupon for details of free offer.

Some of the "New Hygiene" winners.

"QUIFF" Fragrant air freshener spray. Aerosol 4/6, Squeeze bottle 3/6, Refills 1/6.

"WHAM" Fragrant fly spray and insecticide. Aerosol 4/6, Squeeze bottle 3/6, Refills 1/6.

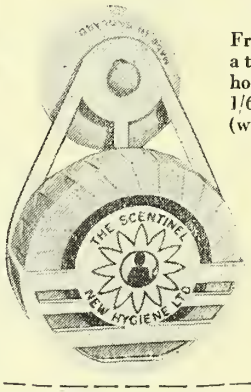
"SWISH" Toilet bowl cleanser. Big seller at 1/6 complete. Refills 9d.

"MIKE" Air freshener in plastic holder. Complete 2/9, Refills 9d. and 1/3.

—and here's the
Scentinel Sensation of the Season

The "MINOR"

Fragrant chemical block in attractive unbreakable holder, with suction grip. 1/6 complete. Refills 9d. (will fit any small container).





PLEASE SEND DETAILS OF YOUR DISPLAY STAND OFFER

NAME .....

ADDRESS .....

.....

NEW HYGIENE LTD., 266-268 HOLLOWAY ROAD, LONDON, N.7

Telephone : NORth 5041-2-3 *Telegrams : AIROGENA-HOLWAY*

MOTHAKS

Nation-wide advertising



7 National Dailies

6 National Sundays

32 Provincial Newspapers

4 National Weekly Publications

13 Women's Magazines

GIVING A TOTAL CIRCULATION OF

66½ million

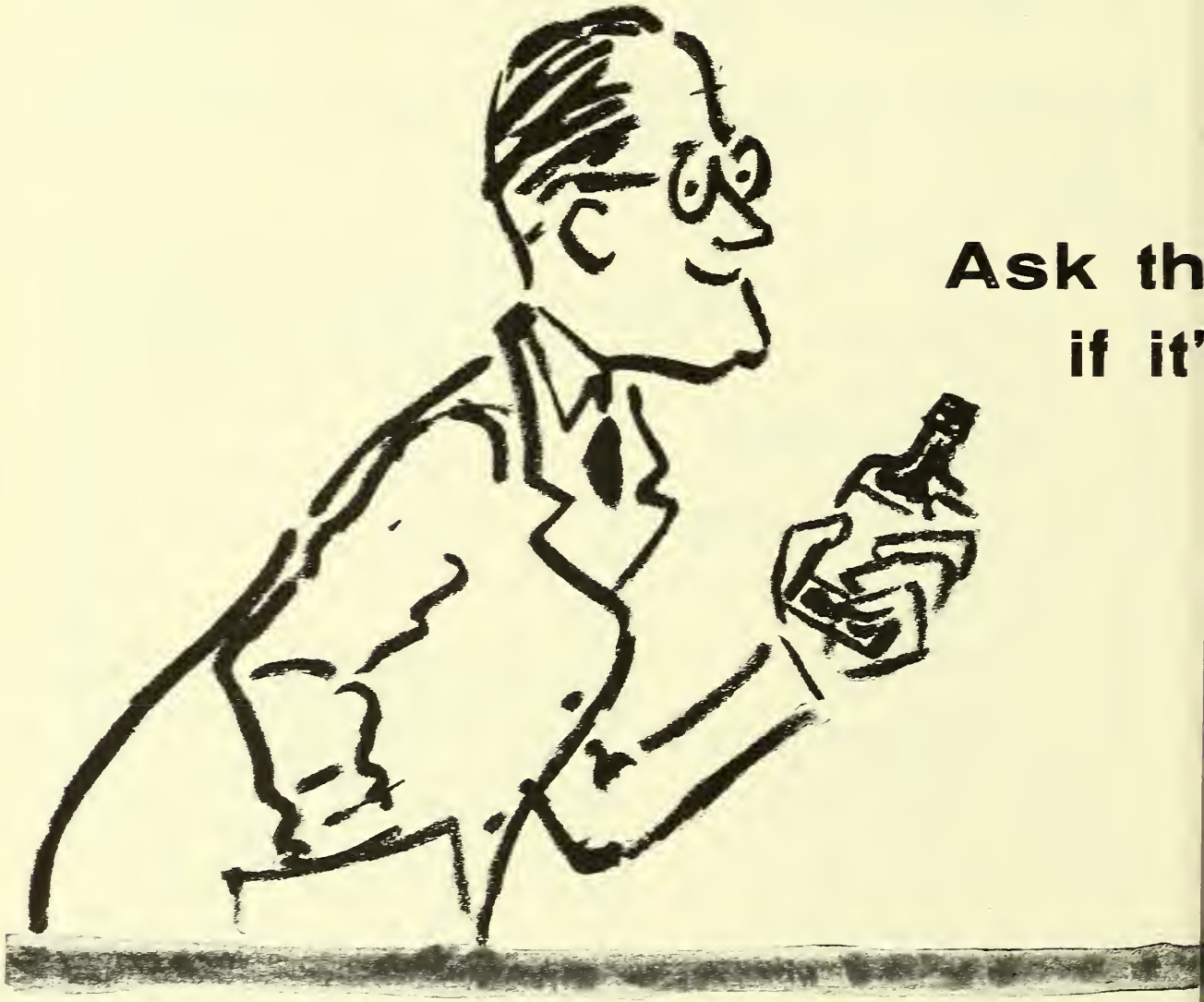
EVERY TIME

EVERY HOUSEWIFE in the country will see the **MOTHAK** Advertising several times each week

PUT THE FAMILIAR yellow and purple carton on your counter - **NOW**



THOMPSON & CAPPER, LTD. LIVERPOOL 24.



Ask th
if it'

You know—*we* know—that the most successful products are advertised on TV. That TV is the most successful advertising medium. The *impact* medium that stimulates the greatest demand and *gets stocks moving fast.*

ATV

At home to 10 million viewers in London and the Midlan

raveller
on television



NOTE TO MANUFACTURERS:
Will you please let retailers know beforehand when you are going on television. This will help *you* to get your goods well displayed and will warn the *retailer* to be stocked and ready for a sudden big demand. Remember, too, that ATV's Merchandising Service is always at your disposal.

ASSOCIATED TELEVISION LIMITED
Television House, Kingsway,
London, W.C.2.
Tel: CHAncery 4488

New Product Announcement

STELAZINE*

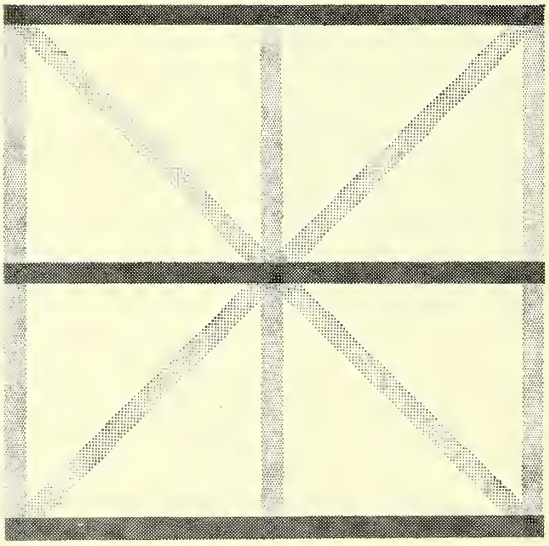
trifluoperazine

SKF'S VERSATILE TRANQUILLIZER AND ANTI-EMETIC

- FOR MILD MENTAL AND EMOTIONAL DISORDERS
- FOR THE RAPID CONTROL OF NAUSEA AND VOMITING

'Stelazine', a major advance in phenothiazine therapy, offers the following advantages:

1. rapid onset of action
2. effectiveness in small doses
3. prolonged therapeutic activity
4. safety even in long term therapy



Available—on prescription only—as:
Tablets, 1 mg. and 5 mg.
1 mg. ampoules (1 mg. per ml.)
in packs of twelve,
for intramuscular injection.

Trade price:

1 mg. tablets in packs of 50 ...	108/- doz.
1 mg. tablets in packs of 500 ...	81/- each
5 mg. tablets in packs of 50 ...	136/- doz.
5 mg. tablets in packs of 500 ...	102/- each
1 mg. ampoules (twelves) ...	18/- doz.

Smith Kline & French Laboratories Ltd, Coldharbour Lane, London SE5

SZL:TA1049

* 'Stelazine' is a trade mark

NOW!! ***in a brilliant new pack***

Cussons

IMPERIAL LEATHER

TOILET SIZE 11d THE NEW BATH SIZE 1/6



Now an exciting new envelope pack gives Cussons Imperial Leather even greater sales impetus. Featuring the traditional scarlet, gold, black and cream colours and the exclusive Imperial Leather soap-tablet shape, this new pack protects, stacks, and displays the soaps to every advantage. And remember, Imperial Leather sales are backed by hard-hitting advertising in **'Woman'** and on **T.V.** and attractive point of sale material.

SPECIAL BONUS OFFER *for you*

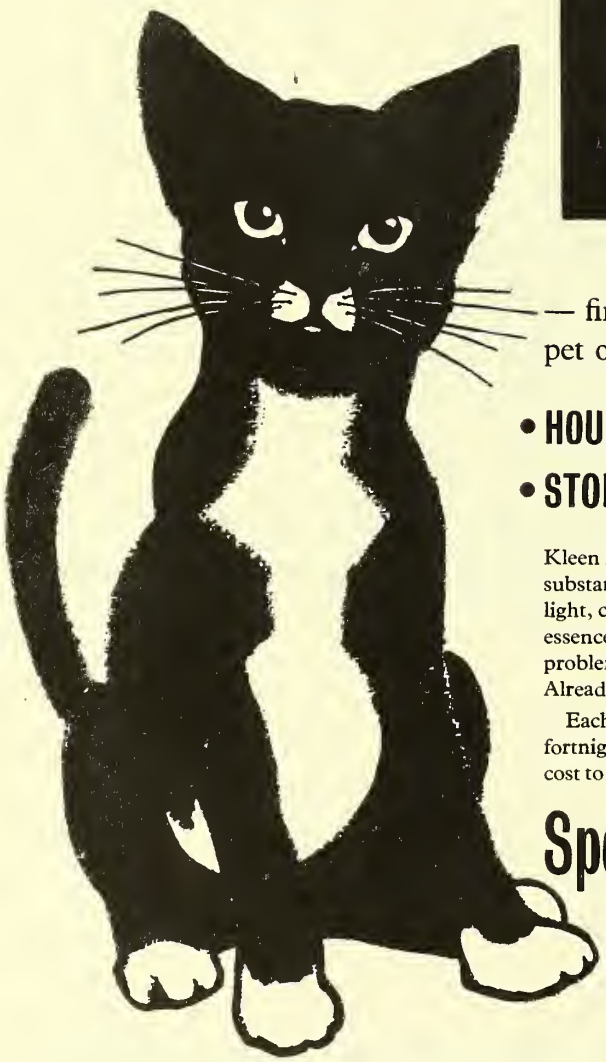
Write today for full details to:-

CS17 CUSSONS SONS & CO LTD · KERSAL VALE · MANCHESTER 7

NEW MONEY-SPINNER FOR YOU!

Kleen Kat

TRADE MARK



— first really efficient cat-litter offers millions of pet owners this double advantage:

- **HOUSE TRAINS ALL CATS & KITTENS!**
- **STOPS ALL SMELLS!**

Kleen Kat is a new, carefully planned cat-litter—the ideal substance for use in cats' boxes. It is based on Vermiculite, the light, clean wonder material, which is impregnated with patented essences. Kleen Kat is the complete answer to all cats' hygiene problems—because it actually attracts them to their boxes. Already thousands of bags are sold every week.

Each bag, attractively designed in blue-green, lasts about a fortnight—it becomes a regular purchase. Selling price is 2/4d; cost to the retailer is 1/8d; wholesale price on application.

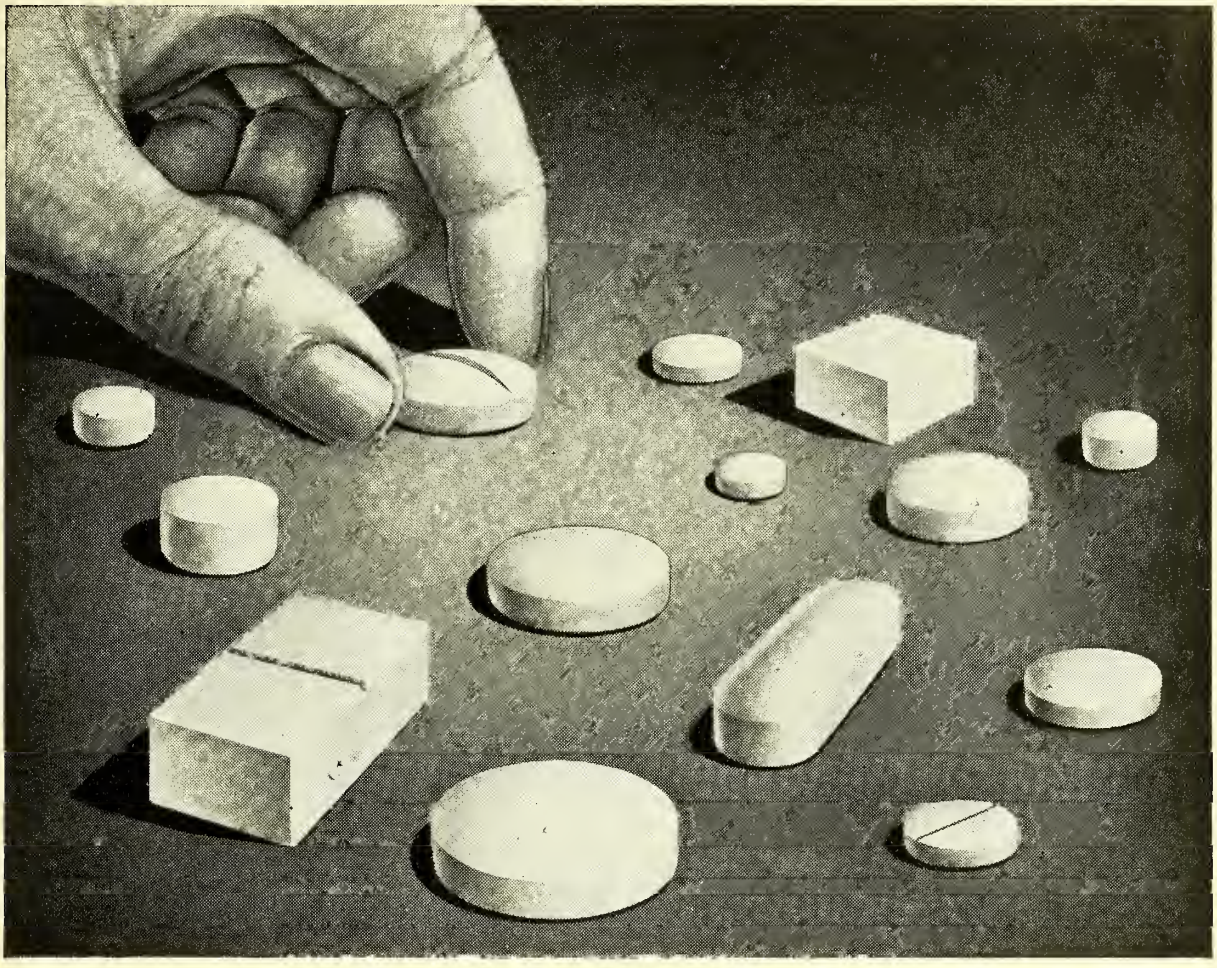
Special introductory offer!

You will be sent one dozen bags of Kleen Kat free with every gross you order before May 10th, 1959. Kleen Kat is already a tremendous repeat success—cash in on this offer now!

Order from your wholesaler or direct from

COLIBRI HYGIENE LTD

169/171 CRICKLEWOOD BROADWAY, LONDON, N.W.2. Tel. GLAdstone 0124



THOMPSON & CAPPER for TABLETS

Competitive Prices and first-class "Own Name" label service for Tablets of Aspirin and Compound Codeine Tablets.

We make TABLETS

So many people think of Thompson & Capper when they want good tablets, because only the best is good enough.

If it's official tablets you're after, or you would like to see your product in tablet form, then Thompson & Capper are the obvious choice.

Whatever your needs in the way of tablets, you can depend on Thompson & Capper.

THOMPSON & CAPPER LTD.

MANUFACTURING CHEMISTS, SPEKE, LIVERPOOL, 24

Telephone: Hunts Cross 1321

Increase your Sales of Elastic Hosiery

Scholl Nylastik

Full-footed. No other nylons needed over them!

THE WONDERFUL NEW NYLON ELASTIC YARN *Lightweight* STOCKINGS N.H.S.

The elastic stockings women want . . . want so much that you can sell two pairs of elastic hose to every one pair you sell at present. Why is this so? . . .

Because Scholl Nylastik combine, for the first time, accurate surgical support with lightness, comfort, beauty, and the durability women have never known before.

Because they are prescribable on N.H.S. You can dispense them against E.C.10 whenever nylon lightweight stockings are prescribed.

Because a woman's interest is awakened immediately she sees these beautiful stockings on display. Valuable additional cash trade is made for you by this strong appeal. Further sales are promoted whenever hosiery prescriptions are handed in. The woman who wears elastic stockings so often needs Scholl Nylastik as an *Extra* pair for best wear.



BACKED BY
Continuous Advertising
in the
LEADING WOMEN'S JOURNALS
and the
MEDICAL JOURNALS

We are bringing to the notice of the medical profession the special merits of Nylastik for the patient with early varices, for the young mother, the mother to be, and all patients who would benefit from the undoubted cosmetic advantages of this unique hosiery.

TRADE PRICE 35/6 per pair

ORDER NOW, ASK FOR DISPLAY DETAILS

THE SCHOLL MFG. CO., LTD. 182-204, ST. JOHN STREET, LONDON, E.C.1



of loveliness

in its fragrant freshness . . .
. . . the delicate perfume . . . the joy of using it . . . and the beauty it brings to you.



Otto of Roses Otto of Jasmin

two new fragrances by

ROBERTS WINDSOR

the most feminine of all fine soaps

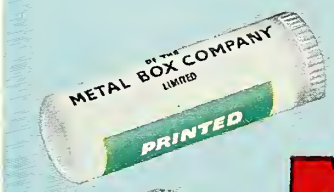
* Otto, another spelling of Persian 'attar', means essence—originally of roses, but today it is applied to other perfumes too. These delightful new Roberts Windsor fragrances can be enjoyed in your soap, bath cubes, talc, and dusting powder.

By Appointment to H.M. Queen Elizabeth II. Toilet Soap Makers. Roberts Windsor Ltd, Windsor

and now—

METAL BOX OFFERS

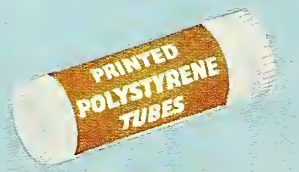


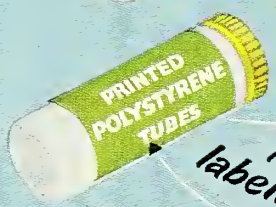




printed

POLYSTYRENE TUBES





No labelling

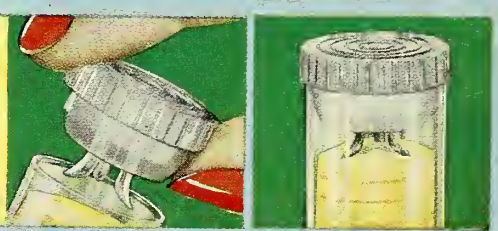
The *colour printed* polystyrene tube is the latest aid to the sale of tablets. Direct printing in two colours on the surface of the tube replaces labelling entirely, and the tube presents an extra smart and attractive appearance on the sales counter. Polystyrene tubes are tough and light. Each is effectively sealed by a one-piece polythene stopper, easy to remove and easy to replace. For additional sales-appeal a wide range of coloured stoppers is available. Please ask today for samples and further details.





Pack your products in containers that will not be left on the bathroom shelf! Metal Box polystyrene tubes are attractive and *specially designed to be carried in the pocket or handbag.*

CUT
THE COST OF
COTTON WOOL!



The Pillar Pack Stopper with the flexible prongs holds tablets gently in place, keeping them undamaged. No cotton wool is needed, no labour to insert it. The tube looks neat, clean and efficient. Pillar Pack Stoppers can be supplied with the $\frac{11}{16}$" × 2$\frac{1}{4}$" tube, and are used by ICI for the Savlon pack featured in the main illustration.

MB **METAL BOX PLASTICS**

The Plastics Group of
The Metal Box Company Limited
37 Baker Street, London, W.1.
Hunter 5577



The supply of continuous precision Tablets in BULK

forms part of our unique service which offers great advantages to wholesale and retail pharmacists, and proprietary brand Houses.

Not only are there facilities here at our Brighton plant for manufacturing and coating tablets on a massive scale, but the latest methods of packaging tablets in bulk also form part of this service. Our daily, post paid, breakage free delivery is an example.

Whatever your tablet problems may be—consult us first. It is more than likely that our technicians will be able to help you considerably.

COX

The Foremost Tablet House

ARTHUR H. COX & CO. LTD.
BRIGHTON • ENGLAND



BEST SELLING DISPLAY EVER!

REMEMBER,
with Odo-Ro-No,
there's a product for
every woman's choice

THE **ODO·RO·NO** NEW DISPENSER!

Put this fabulous range at your customers' finger-tips for
BIGGER SALES—GREATER PROFITS!



STICK

ODO-RO-NO PRICES

Line No.		List Price	Retail
301	Liquid Regular (Red)	13/1	1/11
305E	,, ,, ,,	6/10	1/-
321	Cream	17/-	2/6
327E	,,	10/10	1/7
341	Spray (perfumed)	21/-	3/6
375	Stick	17/-	2/6
353	Roll-On (perfumed)	28/6	4/9
354	Refill	21/-	3/6



PERFUMED ROLL-ON REFILL

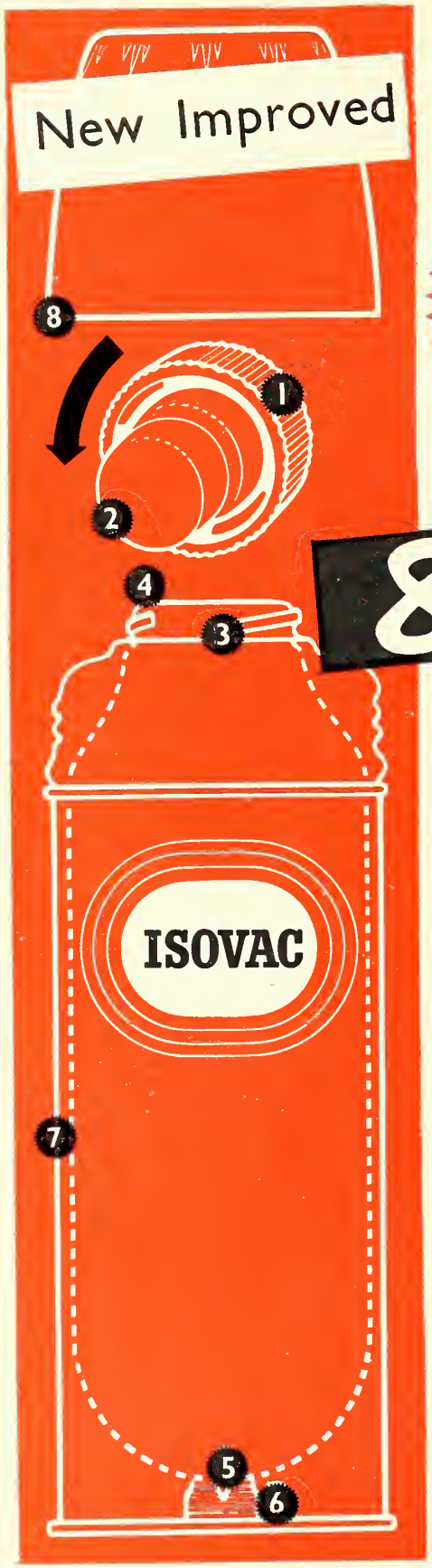


PERFUMED SPRAY

THIS SEASON'S **ODO·RO·NO** PERFUMED DOUBLE

STOP PRESS! REMEMBER, ODO-RO-NO BONUS OFFER CLOSES APRIL 30TH.

J. C. GAMBLES & CO. LTD., 209-215 BLACKFRIARS ROAD, LONDON, S.E.1.



ISOVAC

GOLD SEAL

VACUUM FLASK

8 Special sales features

1. New Polythene stopper with quick-lock fitting, leak-proof on a quarter turn.
2. Stopper is washable and odourless.
3. No threads to "gum-up."
4. Drip-free all round pouring lip.
5. Centre-sealed tip, permanently protected.
6. Glass lining supported by polythene shock pad.
7. "LUSTREEN" finish in Blue, Green or Lilac.
8. Almost unbreakable plastic cup.

The attractively boxed new ISOVAC Gold Seal Standard Vacuu Flask, capacity 16 fluid oz., retails at

7/4 (INC. P.T.)

An intensive television promotion advertising campaign will boo your sales. Customers will ask for ISOVAC 'Gold Seal' Vacuu Flasks by name. In addition the best-selling ISOVAC 'Mayfai VACUUM JUGS, the Standard (16 oz.) and the Family (36 oz will also be featured in these Magazine Programmes. Be su that you can meet the demand. Order stocks now from yo usual wholesaler.

Manufactured by
L. REES & CO. LTD., (ISOVAC LTD. DIVISION),
31/35 WILSON STREET, LONDON, E.C.2
'Phone: MONarch 2651/7. 'GRAMS: ELREESONIA, AVE., LONDON

THE **ISOVAC 'GOLD SEAL' VACUUM FLASK** WILL BE INTRODUCED TO YOUR CUSTOMERS BY A GREAT

TV Advertising Campaign

BEGINNING ON **MAY 23**

32 TELEVISION MAGAZINE PROGRAMMES WILL SHOW MILLIONS OF POTENTIAL CUSTOMERS THE EIGHT SPECIAL SALES FEATURES WHICH WILL MAKE THEM ASK FOR ISOVAC GOLD SEAL VACUUM FLASKS

LONDON	**Programme: 'SEND FOR SAUNDERS'**					
	Sunday May 24th 5 p.m.	Sunday May 31st 5 p.m.	Sunday June 7th 5 p.m.	Sunday June 14th 5 p.m.	Sunday June 21st 5 p.m.	Sunday June 28th 5 p.m.
MIDLANDS	**Programme: 'LOOKING AROUND'**					
	Saturday May 23rd 4.30 p.m.	Saturday May 30th 4.30 p.m.	Saturday June 6th 4.30 p.m.	Saturday June 20th 4.30 p.m.	Saturday July 4th 4.30 p.m.	
LANCASHIRE	**Programme: 'LOOKING AROUND'**					
	Saturday May 23rd 4.30 p.m.	Saturday May 30th 4.30 p.m.	Saturday June 6th 4.30 p.m.	Saturday June 20th 4.30 p.m.	Saturday July 4th 4.30 p.m.	
YORKSHIRE	**Programme: 'LOOKING AROUND'**					
	Saturday May 23rd 4.30 p.m.	Saturday May 30th 4.30 p.m.	Saturday June 6th 4.30 p.m.	Saturday June 20th 4.30 p.m.	Saturday July 4th 4.30 p.m.	
SCOTLAND	**Programme: 'BETWEEN OURSELVES'**					
	Wednesday May 27th 6.45 p.m.	Wednesday June 10th 6.45 p.m.	Wednesday June 24th 6.45 p.m.	Wednesday July 8th 6.45 p.m.		
ISLE OF WIGHT	**Programme: 'SHOP IN THE SOUTH'**					
	Thursday May 28th 6.40 p.m.	Thursday June 11th 6.40 p.m.	Thursday June 25th 6.40 p.m.			
TYNE-TEES	**Programme: 'COME SHOPPING WITH DAPHNE PADELL'**					
	Tuesday May 26th 6.40 p.m.	Tuesday June 9th 6.40 p.m.	Tuesday June 23rd 6.40 p.m.	Tuesday July 7th 6.40 p.m.		



Sssh!

IT'S A SECRET...

but not for long!

THERE'S A BRAND NEW MEMBER of the MUM FAMILY

. . . MUM MIST, a fragrant all-over body spray deodorant that gives fountain freshness right-round-the-clock! Gentle, safe MUM MIST is the result of years of intensive research by the chemists at Bristol-Myers. Now perfected, Mum Mist will be a sure seller, so be certain your stocks are ready!

the greatest deodorant ever!

MUM MIST stops perspiration odour for a full 24 hours, yet is so gentle it can be sprayed from top to toe for *all-over* freshness! Made by Bristol-Myers, Britain's BIGGEST deodorant advertisers, Mum Mist is a fabulous product designed for *mighty* sales!

POWERFUL strong-selling campaign

DAILY MIRROR · WOMAN'S OWN · TRUE

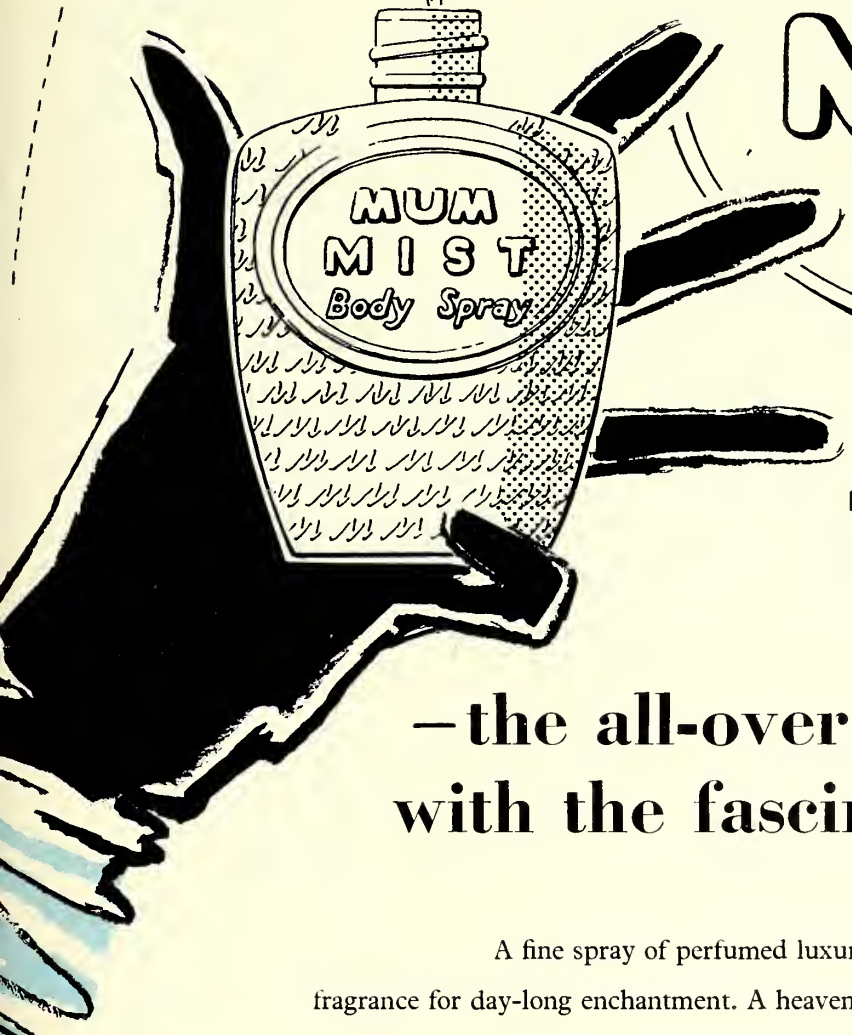
The impact will be enormous with the feminine yet compelling ads. that will be appearing from May this year. Be sure *you're* prepared for the influx of customers asking for the *new* Mum Mist

NEW

FRAGRANT

ABULOUS

MUM MIST Body-Spray



RETAIL PRICE 3/6

Attractively packed in ½-dozen display outers.

—the all-over Body-Spray with the fascinating fragrance

A fine spray of perfumed luxury—MUM MIST has a bewitching fragrance for day-long enchantment. A heavenly-perfumed spray that's priced to pamper the strictest of budgets, MUM MIST is a *must* for every woman's bathroom!

commences week-ending May 9th

STORY · WOMAN'S DAY · TRUE ROMANCES

Another fine product of Bristol-Myers

Distributed by SCOTT & BOWNE LTD., 50 UPPER BROOK STREET, LONDON, W.1.

SAVE £100

THE ADDING MACHINE SENSATION OF THE YEAR

There is a model to suit your special needs



SWEEPING THE COUNTRY WITH THE MOST FANTASTIC SALES SUCCESS THE WORLD HAS KNOWN

BE ON GOOD TERMS WITH ADWEL

your opportunity to save £100!

For the one man business or office routine, the amazing Adwel will cut figuring time to a fraction. Save yourself —Save £100 or more—Buy Adwel.

£100 in your pocket

The lowest priced adding machine in the world—less than half the price of other adding machines, yet the Adwel reputation is for quality, speed and efficiency — and is yours from only £31 . 10 . 0d.

PRICES FROM ONLY

£31·10

No Purchase Tax

Available at these prices in G.B. only.

SEND THIS COUPON, NOW!

ADWEL
ADDING/LISTING MACHINE

ADWEL ADDING MACHINES LTD.
Dept. CD. 20 Pall Mall, London, S.W.1. Tel: TRA 2203/4
City Showrooms: 41 Furnival Street, E.C.4. Tel: CHA 4112/3

Please send immediately full details of all Adwel Adding/Listing Machines

Name .....

Address .....

.....

ADWEL ADDING MACHINES LTD., 20 PALL MALL, LONDON, S.W.1

Caffeine
» Ingelheim «

B. P. 58

U.S.P. XV, DAB. 6, Cod. franç. 49

etc.

Prompt available

Enlarged production

INGELHEIM

C.H.BOEHRINGER SOHN
INGELHEIM AM RHEIN

EUROPE'S BIGGEST SELLING SUN TAN OIL IS HERE!

*1,750,000 *British visitors to the continent each year — they've seen and most likely used AMBRE SOLAIRE. Now they can buy it at home.*

** B.T.H.A. estimate*

Outstandingly Generous Introductory Offer-

14 to the dozen

giving you

over 68% profit



AMBRE SOLAIRE filters out "short wave" ultra violet rays that burn — allows freely through the longer wave rays that tan the skin. Gives a deeper tan in half the time. Made by l'Oreal of Paris, whose products will sell to millions of women in this country.

THIS ATTRACTIVE DISPLAY CARD is packed with every 1 doz. bottles





New Retail Price 7/3 per bottle
Trade Price per doz. 44/-
Purchase Tax at 50% per doz.

AMBRE SOLAIRE

FAMOUS RIVIERA SUN TAN OIL

GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON W.1. HYDE PARK 1671

Large scale national advertising to create greater SALES for you!

Stock up NOW to meet the demand for "MODERN" ANTI-COLIC TEATS

'Modern' Teats, with their triple perforation and spiral reinforcement for longer life, sell in greater quantities every year—as their popularity grows. Be sure that you take advantage of this increasing demand, stimulated by extensive national advertising, by having sufficient stocks of 'Modern' Teats available. Individually and attractively packed in a two-dozen display outer, 'Modern' teats retail at 7½d. each and are available in three flow sizes, easily distinguishable by the coloured packs—red for large perforation, green for medium and blue for small.

ORDER TODAY!

THE CANNON RUBBER MANUFACTURERS LTD.
Ashley Road, Tottenham, London, N.17.



~~Sulmezil~~

now **Sulmezil** V
TRADE MARK

For combined **S-Mez** and penicillin therapy

'SULMEZIL' Tablets and Suspension which contained benzathine penicillin, are being withdrawn from our range of medical products in the United Kingdom as from the week ending April 25th, 1959.

The medical profession's attention is being drawn to the availability of 'Sulmezil' V Tablets and Suspension and to the withdrawal of 'Sulmezil' benzathine penicillin combination.

They have been informed that all future prescriptions for 'Sulmezil' will normally be met with the improved formulation containing penicillin V.

Pharmacists are requested to return all unopened packs of 'Sulmezil' to the wholesalers for credit before June 30th, 1959.

'SULMEZIL' V Presents 'S-mez' sulphadimidine and penicillin V (calcium salt) in convenient dosage forms — Tablets and as a Suspension.

'Sulmezil' V Tablets Each tablet contains 60 mg. of penicillin V (Calcium Salt) and 0.5 G. of 'Sulphamezathine'. Packs of 25, 100 and 500.

'Sulmezil' V Suspension Bottles containing 2 fluid oz. when dispensed ; each fluid drachm of the prepared suspension contains the same dosage as the tablets.

IMPERIAL CHEMICAL INDUSTRIES LIMITED · PHARMACEUTICALS DIVISION
WILMSLOW · CHESHIRE

ICI

Ph.921

ACME FLASKS

RETAILER ADVANTAGES



EXTRA PROFITS
27½% DISCOUNT

AFTER SALES SERVICE
Complete cover for breakages





EACH FLASK CLEARLY PRICE MARKED
No doubt about the selling price



PROMPT DELIVERY
No waiting for orders

CUSTOMER ADVANTAGES

- Gayer more attractive designs
- Matching cups
- Hygienic Nylon Stopper and shaped pouring lip
- Clearly marked price



DISPLAY UNIT
Available from ACME Distributors and Representatives

VACUUM JUG



Extra wide non-tip base

Hygienic pouring lip

Rustless -easy to clean

PRICE 15/11 INCL. P. TAX

ACME VACUUM FLASK
DIVISION
ANTIFERENCE LIMITED
AYLESBURY, BUCKS *Tel: Aylesbury 2511 (6 lines)*

ONE OF THE WORLD-WIDE ANTIFERENCE GROUP OF COMPANIES
LONDON · BRUSSELS · TORONTO · SYDNEY

NOW! NEW JEYPINE

retailing at **11d - 1/6d - 2/4d**

Yes, NEW JEYPINE. We've given it a NEW Formulation, a NEW long lasting Fragrance and a NEW look to give *you* bigger profits and quicker off-the-shelf turnover than ever before.

Powerful, large-scale advertisements for NEW JEYPINE will appear in the "Daily Express", "Daily Mirror", "News of the World", and in five nationally-read womens' magazines: "Woman's Own", "Woman's Mirror", "Woman's Weekly", "Good Housekeeping" and "Wife and Home".



Make sure your customers get NEW JEYPINE when they ask for it

Lay in big stocks now!

10% EXTRA DISCOUNT

on orders of only £3 for

RADIOL

VETERINARY PRODUCTS





On orders of £3 and over (Purchase Tax excluded), up to 31st May, there is an **extra discount of 10%** (total profit 43½% !) in return for 14 days window display. These proved, **profitable** products are backed by consistent year-round advertising in all the specialist journals.

RADIOL PRODUCTS INCLUDE :

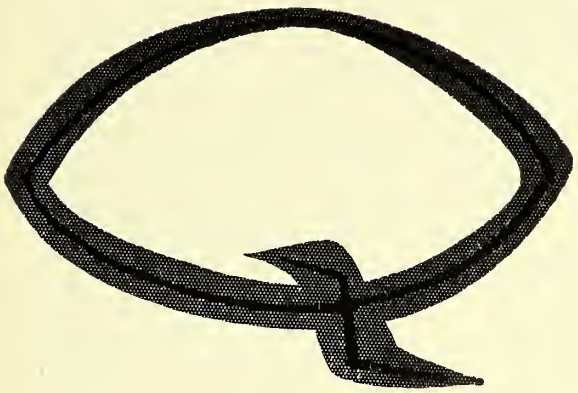
	SIZE	RETAIL each	WHOLESALE	P.T.
B-R (BONE-RADIOL)	5 oz.	12s. 6d.	94s. 6d. doz.	23s. 7½d.
	½ gal.	156s. 10d.	99s. 0d. ea.	24s. 9d.
	1 gal.	294s. 0d.	185s. 6d. ,,	46s. 4½d.
B-R HEALING JELLY	2 oz.	2s. 6d.	19s. 0d. doz.	4s. 9d.
CANINE VI-MINEROL	1 lb.	6s. 3d.	56s. 3d. ,,	Nil
	6 lb.	30s. 0d.	270s. 0d. ,,	Nil
RADIOL *(LINIMENT)*	4 oz.	4s. 11d.	37s. 0d. ,,	9s. 3d.
	15 oz.	12s. 6d.	94s. 6d. ,,	23s. 7½d.
	½ gal.	60s. 5d.	38s. 0d. ea.	9s. 6d.
	1 gal.	117s. 7d.	74s. 0d. ,,	18s. 6d.
RADIOL ELECTUARY *(HORSES)*	5 oz.	4s. 11d.	37s. 0d. doz.	9s. 3d.
	20 oz.	12s. 6d.	94s. 6d. ,,	23s. 7½d.
RADIOL LEG-WASH POWDERS *(HORSES)*	6 pdrs.	3s. 0d.	22s. 6d. ,,	5s. 7½d.
RADIOL SPIRIT DRESSING *(GREYHOUNDS)*	½ gall.	25s. 0d.	15s. 6d. ea.	3s. 10½d.
	1 ,,	45s. 0d.	28s. 6d. ,,	7s. 1½d.
RADIOL WORM POWDERS *(HORSES)*	2 pdrs.	7s. 6d.	67s. 6d. doz.	Nil
	1 lb.	12s. 6d.	9s. 4½d. ea.	,,
	7 lb.	75s. 0d.	56s. 3d. ,,	,,
STEVENS' OINTMENT *(HORSES)*	1 oz.	4s. 11d.	37s. 0d. doz.	9s. 3d.
VI-MINEROL EXTRA-BONE *(BROOD MARES AND FOALS)*	6 lb.	17s. 6d.	157s. 6d. ,,	Nil
	¼ cwt.	126s. 0d.	100s. 0d. ea.	,,
	1 cwt.	220s. 0d.	180s. 0d. ,,	,,
VI-MINEROL STANDARD *(ADULT HORSES)*	2 lb.	12s. 6d.	112s. 6d. doz.	,,
	5 lb.	25s. 0d.	225s. 0d. ,,	,,
	¼ cwt.	200s. 0d.	160s. 0d. ea.	,,
	1 cwt.	380s. 0d.	300s. 0d. ,,	,,
RADIOL KIDNEY POWDER *(HORSES)*	1 lb.	18s. 6d.	138s. 6d. doz.	34s. 7½d.

Radiol CHEMICALS LIMITED

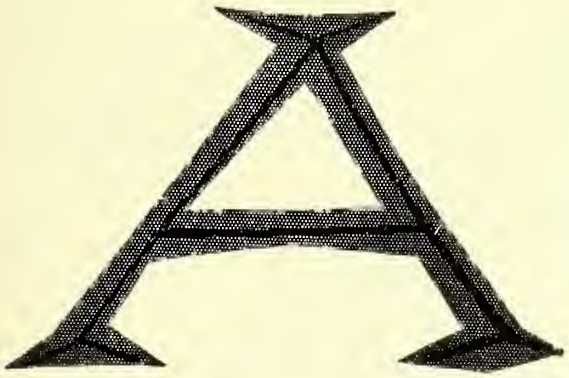
Send your order now to :

RADIAN HOUSE,
78 UPPER RICHMOND RD., LONDON, S.W.15

Telephone : VANdyke 1642 and 2692



Do mothers ask your advice about baby feeding?



Of course they do. And your advice is particularly valuable to those whose babies are at the mixed feeding stage. You know that a balanced and varied diet trains growing appetites along healthy lines.

That's why you tell mothers about all the 25 kinds of Heinz Baby Foods. You help them, too, to pick out from your displays, varieties that they haven't tried before.



Already well over 1 million cans of Heinz Baby Foods are eaten every week and there is still a huge potential in this growing market. More mothers will be encouraged to buy from you if you stock *all* the varieties and keep them on display.

YOU and HEINZ 57

together help
build healthy babies—
make healthy profits too!

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 171 April 25, 1959 No. 4131

CONTENTS

Biologicals Production at Beckenham 447
Candidates for Election to the Council 450
Correspondence 458
Diabetic Treatment in the Future ... 459
Hospital Pharmacy Forum 455
Leading Articles:—
Too Easy Honours? 453
Curbing the Costs of Prescribing 453
Minister of Health Criticised ... 452
Onward from Galen 457
Pharmaceutical Society of Ireland:
Council Meeting 456
Pharmacy in South Africa 454
Polio Vaccine Production at Sandwich 448
Post-Budget Prices **Supplement**
Report on Prescribing in Scotland ... 449
Structure of the Insulin Molecule ... 460
Topical Reflections 443

Business Changes ... 446
Coming Events ... 465
Commercial Television 466
Company News ... 446
Deaths 446
Echoes of the Past ... 454
Information Wanted ... 459
In Parliament 445
Legal Reports 445
Local Officers 443
Makers' Activities ... 449
Marriages 446
New Films 457
Personalities 446
Price Changes 466
Print and Publicity ... 466
Trade Marks 465
Trade Notes 444
Trade Report 463
World Trade 465

INDEX TO ADVERTISERS, Pp. 5 & 6.

Classified Advertisements, p. 64

PUBLISHED BY
MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565
Telegrams: Chemicus, Estrand, London

WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood.
GLASGOW: 160 Nether Auldhouse Road, S.3. *Phone: Langside* 2679.
LEEDS, 16: 32 Wynford Rise, West Park. *Phone: Leeds* 67 8438.

ANNUAL SUBSCRIPTION
which includes The Chemist and Druggist Diary and Year Book, £2 10s. Single copies one shilling each.



It's a short step from Complan in the hospital to Complan in the home and *you* the retail pharmacist can benefit. For many hospital patients in these days are completely or partially fed on Complan, and are advised to continue with it during convalescence. Press home this recommendation — remind them that this unique and complete food is easy to make, take and digest . . . And it is not just recently hospitalised patients who make regular Complan customers . . . children in the throes of mumps or tonsilitis . . . gastric patients who need a bland diet . . . and the aged who subsist on meagre meals—they are just a few of the many who buy Complan and come back for more.

COMPLAN
Trade Mark

Order in profit-making parcels:
2 doz. × 1-lb cartons £3-15-0
Retail price 4/2 per
1 lb carton.

GLAXO LABORATORIES LTD, GREENFORD, MIDDLESEX BYRon 3434
Complan is available in most countries.

The CHEMIST AND DRUGGIST

Volume 171 APRIL 25, 1959 No. 4131

Pharmacy in Hospitals

COMMITTEE TO MEET ONCE A QUARTER

THE Hospital Pharmacists' Consultative Committee, which held its second meeting on April 11, has decided to meet about once a quarter to discuss technical matters concerning the supply of medicines and other medical items.

The discussions are also to cover the testing of drugs, packing, types of containers and the specifications of surgical dressings. The hospital pharmacists on the committee are Messrs. W. S. Benjamin, South-west Metropolitan Regional Hospital Board; N. W. Blocow, Provincial Teaching Hospitals; E. A. Burton, Oxford Regional Hospital Board; B. W. Coultas, South-western Regional Hospital Board; E. J. Fitchett, Sheffield Regional Hospital Board; Miss Janet Hincks, North-west Metropolitan Regional Hospital Board; Messrs. G. Lennox, Welsh Regional Hospital Board; J. Moore, London Undergraduate Teaching Hospitals; N. Paterson, Liverpool Regional Hospital Board; J. Pirnie, South-west Metropolitan Regional Hospital Board; F. W. Sambidge, Birmingham Regional Hospital Board; S. Shaw, North-east Metropolitan Regional Hospital Board; B. H. Smith, Manchester Regional Hospital Board; T. W. Thomas, East Anglian Regional Hospital Board; W. T. Wing, Newcastle Regional Hospital Board; and J. H. Wood, London Postgraduate Teaching Hospitals.

Analyst's Report

ONLY ONE SAMPLE UNSATISFACTORY

OF the forty-five samples of drugs submitted to the Birmingham city analyst only one, a specimen of sulphur ointment containing 7·3 per cent. of sulphur instead of the B.P. standard of 10 per cent., was incorrect. That information is given in the report for the fourth quarter of 1958, which although signed by the City Analyst (A. H. Coombes), refers to work carried out during the term of office of his predecessor, Mr. H. H. Bagnall. The report also states "Special samples submitted because of doubts as to their efficacy, despite the extravagant claims made for them, included tablets stated to cure baldness. They contained a laxative of the senna or rhubarb type, together with some iron, and were claimed to 'clear the blood and induce the growth of hair.' A slimming treatment consisted of taking tablets and Spansules of two powerful proprietary drugs, claimed to make dietary restrictions more bearable, i.e., to reduce the appetite. Also included with this treatment was a white powder (a mixture of Epsom salts and common salt) designed to be used as bath salts. A second slimming treatment contained a substance which would swell up in the stomach and relieve feelings of hunger, as well as a laxative and vitamins. The three treatments mentioned above were all obtained from dubious sources at considerable cost, and none should have been indulged in except under medical advice."

British Standards

SAMPLING PROCEDURE FOR OILS

AMONG British Standards recently issued are the following: Essential Oils (B.S. 2999/16–31, 8s. 6d.); Pyridine (3096/7, 4s. 6d.); Pyridine Bases (3098/9, 5s.); and General Purpose Trolleys for Anæsthetists' Use (5s.). The publication on essential oils contains standards for the following oils: Bay, cassia, Ceylon and Java citronellas, clove bud, clove leaf, clove stem, *Eucalyptus citriodora*, Kenya, North African and Réunion geraniums, petitgrain, pimento berry and leaf, East Indian and West Australian sandalwoods. They are contained in one volume and the properties and sampling procedure are given.

A Chairman Retires

RESIGNATION "RELUCTANTLY ACCEPTED"

THE Proprietary Association of Great Britain has sent out to its members a letter notifying them of the resignation as chairman of the Rt. Hon. Ernest Brown, C.H., M.C. Mr. Brown was taken suddenly ill early in 1958. Since then his health has "slowly but steadily improved" but he recently came to the conclusion that he was not fit enough to resume his duties. "With great reluctance," says the letter, "the Executive Committee realised that they had to accept Mr. Brown's resignation. They wish to take this opportunity of placing on record, before all member companies, their great debt of gratitude to Mr. Brown for the exemplary way in which he has led the affairs of the Association." Mr. Brown has accepted office as an honorary vice-president. The officers and the executive committee are actively engaged in finding a new chairman for the Association.



Mr. Ernest Brown



DO YOU REMEMBER? The illustration is from a photograph in the possession of Dr. W. Clark, M.P.S., L.R.C.P., M.R.C.S., and is of the students at Muter's School of Pharmacy about 1909. If you can identify any of the students please write to the Editor.

Dispensing Complaints

TWO CAUTIONS AND ONE FINE

THREE complaints against chemists, two alleging incorrect dispensing, and one a complaint from a patient, have been considered by the Staffordshire Executive Council. Two of the chemists are to be cautioned. The third is to have a sum of £2 withheld from his remuneration. That was reported at a meeting of the County Health Executive Council on April 16. In the case in which £2 is to be deducted, the chemist admitted that a double-strength mixture had been dispensed because his assistant had transferred such a mixture into a dispensing winchester marked "single strength." The second case concerned the quantity of mixture supplied. The prescription called for 12 oz. and 16 oz. had been supplied. A complaint from a man that his wife was unable to get a prescription dispensed at a particular chemist's shop was the third case investigated. A particular ingredient in the powder required was not normally stocked. On previous occasions it had been specially obtained, which meant a few days' delay. The man stated it was the second occasion on which the chemist had refused to dispense the powder, but the chemist claimed there was no refusal to dispense. The committee found there had been no offer to obtain the ingredients and dispense the prescription, nor had any advice been given about where a supply might be obtained.

Trades Council's Query

EXPLANATION "NOT SATISFACTORY"

AT a meeting of Shipley Trades Council recently, the secretary reported that he had received a reply from the clerk to the Bradford Executive Council concerning an inquiry whether chemists had a right to withdraw items from doctors' prescriptions. The letter explained that a packet that should have contained both cream and applicator, had been issued by the chemist as received from the manufacturer. The chemist regretted that it had not been checked before the prescription was dispensed, and had given an assurance that he would try to make sure it did not occur again. Mr. W. Sutcliffe, who had raised the matter, said that members were glad to have the assurance, but the explanation was not really satisfactory. The packet he had received had obviously been tampered with, and the chemist's assistant had admitted that the applicator had been taken out of it. The delegates agreed to "receive" the letter and take no further action.

Detergent "Bars"

NO PROBLEM IN DISPOSAL

"IT has been reported that synthetic detergent toilet bars have made their appearance in the United States and are being test marketed in this country," states the second progress report of the Standing Technical Committee on Synthetic Detergents (H.M. Stationery Office, price ninepence). The report adds that the indications are the surface-active agents incorporated in such products are readily decomposed biologically, and that their use is not likely to add to the problems in sewage works, rivers and water supplies. The committee is satisfied that there has been no detectable change in the average concentration of synthetic detergents in sewage effluent and river water during the past two years. Trials of a synthetic detergent which would give rise to less river pollution and cause little or no foam on rivers, have had encouraging results and are to continue. Manufacturers consider the new detergent to be commercially feasible.

Study Tour of Germany

DRUG MEN IN INDUSTRIAL TEAM

AMONG members of a team that has been visiting Germany on a two-week study tour of German industry organised by the Industrial Welfare Society are Messrs. Arthur Lewis (senior maintenance foreman, Glaxo Laboratories, Ltd., Greenford), and H. R. Williamson (the company's production foreman at Ulverston, Lancs). The aim of the tour is to study the German approach to personnel administration, training, labour relations and welfare.

Laundry into Pharmacy

A CO-OPERATIVE PROPOSAL APPROVED

PERMISSION to use as a pharmacy part of premises in Broad Lane, Liverpool, originally leased for a laundry, was granted to Liverpool Co-operative Society, Ltd., by Liverpool City Council on April 1. The proposal had been opposed on the ground that the Society should pay for the privilege of having the lease varied. The chairman of the housing committee said that the Society did not wish to hang on to an obsolescent laundry. The change was "just a straightforward business deal" and the Society would be assessed like anyone else.

IRISH NEWS

Ulster Associates

MONTHLY MEETING OF COMMITTEE

THE April meeting of the Associates' Committee of the Ulster Chemists' Association was held in Belfast on April 13, Mr. W. T. Hunter (chairman) presiding. The chairman welcomed Mr. D. G. Anglin on his first attendance as a committee member. It was noted that a joint council meeting had been arranged for April 14 to discuss the 6 p.m. closing and the additional week's holiday for pharmacists. The report of a social subcommittee meeting held on March 19, at which suggestions for further social activities were put forward, was received. Discussion took place on the subcommittee's proposal to hold a dinner-dance instead of the usual dress dance, and it was unanimously agreed to hold a dinner-dance in February 1960. It was also unanimously agreed to co-opt Miss R. Green to the committee as a student representative. Miss A. M. Duffy (unqualified assistant) was approved for associateship.

NEWS IN BRIEF

THE retail prices index figure at March 17 (January 17, 1956 = 100) was 110·3 (unchanged from February 17).

A COMMITTEE, set up in 1957 to consider commercial education and make recommendations, has now published its report (Report of the Advisory Committee on Further Education for Commerce, H.M. Stationery Office, price 2s. 6d.).

IN his annual report to the Ewell chamber of commerce on March 31, the secretary said that the chamber had protested strongly against the refusal of Epsom and Ewell Council to allow traders to display advertisements on their own premises.

GLAXO LABORATORIES, LTD., Greenford, Middlesex, have this week had Ministry of Health approval for a further 635,000 doses of poliomyelitis vaccine, bringing to over 7 million doses their production to date. 200,000 doses were dispatched on April 21 to medical officers of health in the United Kingdom.

DRIVING along a road in King's Lynn, on March 29, Mr. P. Radcliffe, M.P.S., Littleport, Ely, Cambs, noticed flames in the bedroom window of a house. He, his wife and a passenger controlled the fire until firemen arrived, and attended to five children who had been left in the house in the care of a sixteen-year-old girl. No one was injured in the fire.

SPEAKING in Birmingham recently Dr. H. Joules (vice-president, Socialist Medical Association) said that thirty million working days were lost in Britain last year because of bronchitis —more than the total number of days lost by strikes in the past fourteen years. He called for a Royal Commission to be set up because the death rate from chronic chest diseases would get worse.

MR. A. C. PEARCE (territorial manager of Boots, Ltd., in Manchester and president, Manchester chamber of trade) made a plea at the Chamber's annual dinner recently for improved parking facilities in the city centre and suburbs. Unless the city made itself more hospitable to motorists, he said, they would go elsewhere to do their shopping. He thought that, helped by derating, a multi-story car park could be created by private enterprise.

BRADFORD licensing magistrates have confirmed a wine and spirit off-licence for Mr. Charles J. Dewhirst, M.P.S., 148 Toller Lane, Bradford, granted earlier in the year. They were told that the chemist had a petition signed by fifteen doctors and 372 customers. Supporting the chemist's application, Dr. Donald F. Edmiston said that alcohol taken in moderation was the first and probably the safest tranquilliser.

TWO pharmacists, Messrs. G. H. Moore, M.Sc., F.P.S., F.R.I.C. (principal, College of Technology, Bristol), and Frank Hartley, B.Sc., Ph.D., F.P.S., F.R.I.C. (Director of Scientific Services, The British Drug Houses, Ltd.), gave the opening papers at a

symposium on "Developments in Education in Chemistry" held during the annual conference of the Royal Institute of Chemistry at Manchester on April 17. The newly elected president of the Institute, Mr. E. Le Q. Herbert, B.Sc., M.I.Chem.E., F.R.I.C., was in the chair at the conference.

A THREE-DAY course on industrial and factory law for managers and executives is being given by Mr. Harry Samuels, O.B.E., M.A., barrister-at-law, at 48 Bryanston Square, London, W.1, May 26-28, under the auspices of the Industrial Welfare Society.

SPORT

Golf.—SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, Langley Park Golf Club, April 15. Stableford competition for Cupal prize: 1, H. Brown (Wildernesse), 35 points; 2, F. Jamieson (Shirley Park), 33 points; 3, A. Hedges (Coulsdon), 32 points. C. Birchmore tankard competition: 1, L. Short (Langley Park), 28 points; Visitors: 1, H. Coe (Shirley Park), 40 points; 2, J. Hay (Maidstone), 36 points.

IRISH CHEMISTS' GOLFING SOCIETY. Opening outing at Dun Laoghaire Golf Club, April 8. Prize-winners: First strokes, P. MacAuliffe (17), 62; second strokes, J. Burke (15), 70; first bogey, M. Costello (15), one down; second bogey, A. Hennessy (9), three down. Best first nine, K. Banks (18), 30; best second nine, D. Mulvey (7), 36½. About forty sat down to supper in Clubhouse afterwards. Prizes, presented by May, Roberts (Ireland), Ltd., were distributed by Mr. Alee Davidson. Mr. Paddy Morgan (captain of the Golfing Society) presided.

The next outing will be held at Thurles Golf Club on Sunday, May 10, and the annual outing will take place to Lahinch Golf Club extending from June 7 to June 11. Members are urged to arrange accommodation with the Honorary Secretary, Mr. J. T. Foley, 63 Clontarf Road.

Bowls. — Committee for 1959 season of the Ulster Chemists' Association bowlers comprises J. Wellwood (captain); R. Johnston (vice-captain); J. Caldwell (secretary/treasurer); G. Hamilton, S. T. McIlroy, S. Magowan, T. A. Ross and A. Steen. A tournament is being held at the Belfast Bowling Green on Wednesday, May 20. Particulars are being advised later (apply to secretary/treasurer at 75 Chichester Street, Belfast).

LOCAL OFFICERS

PHARMACEUTICAL COMMITTEES

Kent and Canterbury.—*Chairman*, A. Howells; *Vice-chairman*, E. W. Sterry; *Secretary*, E. G. H. Adams, 24 The Ridgeway, Tonbridge.

PHARMACEUTICAL SOCIETY

Durham County Branch.—*Chairman*, J. B. Spedding; *Vice-chairman*, J. Gilliland; *Treasurer*, J. Calderwood; *Secretary*, L. Wood, 33 Westfield Road, Bishop Auckland, Co. Durham.

Hendon Branch. — *Chairman*, S. I. Cooper; *Vice-chairman*, M. Mandleberg; *Secretary*, D. N. Sharpe, 931 Finchley Road, London, N.W.11. *Honorary Vice-chairman*, Dr. T. E. Wallis.

Huddersfield Branch and Association.—*Chairman*, J. R. Ireland; *Vice-chairman*, R. Gledhill; *Secretary*, Sydney Crowther, 26 Broadgate Crescent, Almondbury, Huddersfield.

Plymouth Branch.—*Chairman* and *Treasurer*, J. P. Fox; *Vice-chairman*, F. Packer; *Secretary*, Mervyn Madge; *Social Secretary*, K. J. Wadge; *Social Treasurer*, E. W. Chanter.

ASSOCIATIONS

South Shields Pharmacists'. — *Chairman*, B. H. Brown; *Treasurer*, R. A. Bone; *Secretary*, L. S. Ray, 57 West Avenue; *Committee*, G. H. Eales, T. Tait, R. A. S. Brown, W. A. Power and D. Little.

Hull Chemists' Association and Branch. — *President*, J. E. Hindle; *Senior Vice-president*, F. S. Howe; *Junior Vice-president*, G. A. Merkin; *Secretary*, A. McDonald, 12 Lime Avenue, Willerby, East Yorks; *Treasurer*, C. A. Hewitt, *Minute Secretary*, M. E. M. Wright.

TOPICAL REFLECTIONS

By Xrayser

Look to Your Laurels

The laurel family appeared as a news item this week because of the publication by a daily newspaper of a recipe for an Italian dish which contained "laurel leaves." Almost immediately a warning was issued to readers of possible danger. The following day the recipe was repeated with the difference that bay leaves were now recommended in place of laurel leaves "to be safe," as the newspaper put it. In justification of its earlier recommendation, the newspaper quoted a spokesman for "the leading organisation in dispensing chemists." Could that, I wonder, be the Pharmaceutical Society of Great Britain ethically disguised? There are, of course, laurels and laurels. The one best known in pharmacy is the cherry-laurel, the use of which, in the early eighteenth century, furnished Dr. Madden of Dublin with material for a communication to the Royal Society that has become a classic. Cherry laurel water was at that time in common use by "our drinkers of drams," in the proportion of one part of the water to four of brandy. Dr. Madden's paper was an essay in kindness, generosity, hospitality, cordiality, foolhardiness and tragedy. "In September 1728, one Martha Boyse, a servant, who lived with a person that sold great quantities of this water, got a bottle of it from her mistress and gave it to her mother, Ann Boyse, as a very rich cordial. Ann made a present of it to Frances Eaton, her sister, who was a shopkeeper in town, and who, she thought, might oblige her customers with it. Accordingly, in a few days, she gave two ounces of the water to a woman called Mary Whaley, who drank about two-thirds and went away. . . . In a quarter of an hour, Mary Whaley complained of a violent disorder in her stomach, soon after lost her speech, and died in about an hour. The shopkeeper, F. Eaton, sent word to her sister, Ann Boyse, of what had happened. She affirmed that it was not possible that the cordial, as she called it, could have occasioned the death of the woman, and to convince her of it, she filled out about three teaspoonsfuls and drank it. She continued talking with F. Eaton about two minutes longer, and was so earnest to persuade her of the liquor's being inoffensive, that she drank two spoonfuls more, sat down, and died without the least groan or convulsion." The proof of the pudding . . . .

The Budget

The only forecast I permitted myself, when writing of the Budget recently, was to the effect that the editorial staff at Essex Street would be working at high pressure, and that retailers would require to learn a range of new prices. The first part of the forecast has proved to be correct, with the delivery of your invaluable "Post-Budget Price List." The supplement, easy to refer to, gives little indication of the high-pressure work involved, as it has all the appearance of having been compiled at leisure, but appearances are deceptive. Budget-day, with its annual changes, must fast be becoming a nightmare to editor and staff. The second part of my forecast has not borne fruit to the extent that one might have expected. Though the difference is small in many articles, it does seem that the public have not benefited to the extent that they and the Chancellor may have hoped. Many prices are unchanged, and some have risen.

Student Conference

In his address to the students at Folkestone, Mr. D. W. Hudson (president of the Pharmaceutical Society) permitted himself and his hearers (p. 246) a glimpse into the future of pharmacy. In so doing, the speaker laid emphasis on the need for a full course of fundamental training, pointing out the necessity for an increasing number of highly trained pharmacists and pharmacologists to meet the expanding demand for British pharmaceuticals both here and abroad. The president spoke of a vista of opportunity opened up to students in industry. It was a glowing picture for the students, but it is to be hoped that the alluring prospect will not deprive the traditional if less glamorous, fields of retail and hospital of a necessary flow of suitable recruits. Failure of supply could be dangerous.

TRADE NOTES

An Additional Pack.—G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, announce a new 250-tablet pack size of Enavid.

Discontinued.—Keldon, Ltd., Wadsworth Road, Perivale, Middlesex, have discontinued the manufacture of Perikay chilblain tablets.

Telex Installed.—John & E. Sturge, Ltd., are now on the Telex service. The Telex number of their head office in Wheeleys Road, Birmingham, 15, is 33158. A machine is also installed in the company's Selby, Yorks, factory.

Service from New Premises.—Bradley & Bliss, Ltd. announce that their new premises in King's Road, Reading, enable them to carry a comprehensive stock and to give prompt and efficient same-day service.

Addition to Range.—A handy perfumed refill is being introduced by Northam Warren, Ltd. (distributors J. C. Gambles & Co., Ltd., 209 Blackfriars Road, London, S.E.1), for the Odo-Ro-No "roll-on." The pack includes a special "spoon" with which the roll-on ball is rolled out. The lotion is then poured into the roll-on and the ball replaced by snapping back into place.

Withdrawn.—Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches, have withdrawn from their list Sulmezil tablets and suspension, which contained benazathine penicillin. The company's product Sulmezil-V, which contains penicillin V with S-mez brand sulphadimidine, continues to be available as tablets and suspension. Pharmacists are requested to return all unopened packs of Sulmezil to the wholesaler for credit before June 30.

Bonus Offers

J. C. & J. Field, Ltd., Peru Street, Salford, 3, Manchester. Field's talcum powder. Three tins free with each 3 doz. ordered. Until June 1.

Southalls (Birmingham), Ltd., Charford Mills, Saltley, Birmingham, 8. Q-tips. Six 100-size packs and six 300-size packs free with parcel of 2 doz. 100-size and 2 doz. 300-size; six 100-size and three 300-size packs free with parcel of 2 doz. 100-size and 1 doz. 300-size packs.

NEW PRODUCTS AND PACKS

Prednisolone Suppositories. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the availability of Predsol (prednisolone) suppositories (5 mgm. as phosphate). The pack is a plastic box of six.

In Place of Tablets. — William R. Warner & Co., Ltd., Eastleigh, Hants, are introducing on April 27 a new speciality, Tedral paediatric suspension, a pleasantly flavoured liquid preparation providing the equivalent of half a Tedral tablet in each teaspoonful. Designed primarily for the child asthmatic, the product should also prove acceptable to patients who dislike, or find difficulty in taking, tablets. Tedral paediatric suspension is available in 4-oz. bottle.

Pressurised Chlorphenesin. — The British Drug Houses, Ltd., Graham Street, London, N.1, announce that chlorphenesin, the active constituent of Mycil preparations, is now available as a spray in a pressurised canister. Mycil spray is claimed particularly effective in the treatment of the exudative type of fungal infection, the volatile solvents incorporated assisting penetration deep into the skin layers. The method is eminently suitable for the application of chlorphenesin in the treatment of athlete's foot in schools and industrial clinics.

Amino-acids for Nutrition.—Paines & Byrne, Ltd., Greenford, Middlesex, announce the introduction of a new range of amino-acid preparations—Aminosol Vitrum—for parenteral and oral nutrition. For parenteral use, intravenous infusion solutions are available in three forms, Aminosol Vitrum, Aminosol-glucose Vitrum and Aminosol-glucose-ethanol Vitrum. Aminosol Vitrum preparations are produced by enzymatic hydrolysis of casein, and contain a full complement of free amino-acids. A special process of dialysis has been applied to remove high-molecular pyrogenic substances, undigested proteins and high-molecular peptides that might cause anaphylaxis or allergic reactions. The infusion solutions are supplied in bottles of 500 and 1,000 mils. A special 100-mil size of Aminosol-glucose Vitrum is available for pædiatric use. Also available are a range of oral preparations in the forms of powder, granules, tablets or



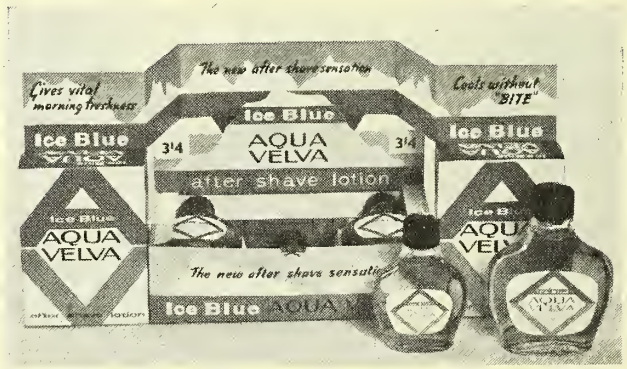
syrup. The Aminosol Vitrum preparations for oral use are palatable, and it is claimed that no gastro-intestinal disturbances follow their administration.

Bath Cubes. — Jane Seymour, Ltd., 162 New Bond Street, London, W.1, have launched two new products, Embrace and Blue Gardenia bath cubes. The cubes incorporate a sequestering agent to soften the water and a high percentage of perfume. Each pack contains two large cubes.

Cleaner for Shaver Heads.—Latest addition to the range of shaving accessories marketed by the shaver division of Remington Rand, Ltd., 26 Kensington High Street, London, W.8, "Sterilizer" cleans the shaving heads, removes stubborn clippings and coagulated facial oils, and maintains cutting efficiency. An unbreakable dip tray is provided free with each bottle. The pack is shown among the restyled Remington products illustrated below.

After-shave and Eye Drops. — Two new presentations are being launched by Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1. They are Ice Blue Aqua Velva after-shave lotion and Murine eye drops. Ice Blue Aqua Velva is in two sizes. The smaller is issued uncartoned in a display outer and the larger is individually cartoned. Both bottles are shaped for comfortable holding in the hand. Murine eye drops, containing berberine hydrochloride, boric acid, potassium bicarbonate and meta-borate, hydrastine hydrochloride, glycerin and distilled water, with thiomersalyl, B.P.C., as preservative, are presented in white-plastic capped yellow polythene squeeze bottle; the display outer holds six.





At left, PACKS WITH "MALE APPEAL": The new square, squat bottles of Remington pre-shave, after-shave and "Sterilizer."
At right, NEW PRESENTATIONS: Ice-blue Aqua Velva after-shave lotion and distributed by Scott & Bowne, Ltd.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

SIR A. BOSSOM asked the Minister of Agriculture, Fisheries and Food what proposals he had for requiring manufacturers to state the proportion of such substances as aldrin, dieldrin and boron which were contained in their compound fertilisers.

MR. JOHN HARE (Minister, Agriculture, Fisheries and Food) in a written answer on April 9 stated that investigations were being carried out into the possibility of devising satisfactory methods of analysis for the determination of those substances. Further consideration would be given to the matter when the work was completed.

Resale Price Maintenance

SIR L. UNGOED-THOMAS asked the President of the Board of Trade on April 14 if he was aware of the shopkeeper's opposition to resale price maintenance and what proposals he had for repealing section 25 of the Restrictive Trade Practices Act. SIR DAVID ECCLES (President, Board of Trade) stated: "Some shopkeepers wish for the repeal of Section 25, but most of the representations received from retailers are in favour of the enforcement of resale prices. The answer to the second part of the question is—None, Sir."

SIR L. UNGOED-THOMAS then asked was the President of the Board of Trade aware that the effect of this Section was exactly as was feared—to keep up prices, cut out competition and push up the cost of living? Would he now consider removing this restriction which his Government imposed and set the shopkeepers and the housewives free from these restrictions? Secondly, was he aware that there were indications that this restriction imposed by his Government was being used by price rings for collectively keeping up the price of their products? SIR D. ECCLES: "I cannot accept the suggestions. If there are price rings, they will have to be registered."

Monkeys

MR. M. LIPTON asked the Secretary of State for the Home Department on April 16, whether he would inquire into the conditions under which monkeys imported into Great Britain were kept pending dispatch to laboratories engaged in the production of vaccines. MISS HORNSBY-SMITH (Joint Under-Secretary of State, Home Department) said there was no reason to think that conditions were not satisfactory. It was an offence to cause, or permit any unnecessary suffering to a domestic or captive animal and she was sure that those responsible for enforcing the Act would at once investigate any such allegation.

MR. LIPTON referred to the "distressing accounts" which had shown a very heavy death rate suffered by the monkeys when they were sent from London Airport to monkey farms. If those circumstances were verified would action be taken to avoid this needless suffering in what was a large traffic?

MISS HORNSBY-SMITH asked the questioner if he was aware of the incalculable value of the animals in the vaccines produced. "I can assure him that these farms have been visited both by the police and the R.S.P.C.A. and that no grounds have been found for the institution of proceedings. I understand the monkeys are well looked after in good, hygienic conditions and are visited three times a week by a qualified veterinary surgeon. It is, however, not unnatural, in view of the change from a tropical climate, that there are a certain number of deaths."

Glutethimide

MR. F. NOEL-BAKER asked the Secretary of State for the Home Department what steps he was taking to control the sale to the public of tranquillisers containing the drug glutethimide, in view of recent complaints about its dangers from the medical profession. MISS HORNSBY-SMITH in a written reply on April 16 stated that the question was being considered by a subcommittee of the Poisons Board. As the sub-committee was considering a wide range of drugs, it was not expected that its report would be available for consideration by the Board for some months.

Cost of Prescribing Report

MR. J. LINDSAY asked the Minister of Health on April 20 if he had yet received the report of the Committee on the Cost of Prescribing and what action he was proposing to take.

MR. DEREK WALKER-SMITH (Minister of Health): "Yes. I am considering the recommendations in the report which will be published on or about May 12." Replying later he said he was proposing to consult the British Medical Association and other interested organisations as soon as the report had been published and action would be taken on the recommendations as soon as possible in the light of those consultations.

Pharmacists

MR. B. TAYLOR asked the Minister of Health on April 20 if he would state the position respecting the claim for a responsibility allowance for group pharmacists in the hospital service. MR. DEREK WALKER-SMITH (Minister of Health): "No such claim has been made."

MR. B. TAYLOR asked the Minister if he would make a statement on the staffing of hospital pharmaceutical departments. MR. DEREK WALKER-SMITH said that he had received a report from the Standing Pharmaceutical Advisory Committee and was about to send to hospital authorities further advice on the organisation of pharmaceutical departments so as to make the best use of the available trained manpower. MR. TAYLOR: "Can the Minister say how long these negotiations may go on, because it is some time since they were started and it is about time some conclusion was reached on this very important matter?" MR. DEREK WALKER-SMITH: "I am proposing to issue a memorandum based on the Committee's report on the twenty-eighth of this month." MR. B. TAYLOR then asked the Minister to state the salary scale for clerical workers in the hospital service at the age of 32 years and that of a male assistant in dispensing of a similar age and holding the certificate of the Society of Apothecaries. MR. DEREK WALKER-SMITH: "Assuming in each case service in the National Health Service since age 21, a male clerk at present at age 32 would receive £489, £545 or £573 per annum depending on the work he is doing and his grade prior to the recent regrading operation; an assistant in dispensing would receive £530 per annum and may in respect of certain responsibilities be entitled to additional allowances up to a maximum of £70." MR. TAYLOR: "Does not the right hon. and learned Gentleman think that by comparison the salary scales of these pharmacists are very low, and will he do something about this?" MR. WALKER-SMITH: "The salary scales for these two respective callings are matters for the appropriate Whitley Councils. I would only add that the number of assistants in dispensing in the National Health Service has increased very substantially from the inception of the National Health Service up to the present day. This is some indication, at any rate, that the employment and conditions thereof are not altogether unattractive."

LEGAL REPORTS

Perpetual Injunction Granted

IN the High Court, London, on April 10, Chesebrough-Pond's Ltd., Victoria Road, London, N.W.10, were granted a perpetual injunction against Sidney Emmanuel Harris, trading as Harris's Price Reduction Stores, 33 George Street, Hove, restraining him from reselling the company's goods except at the fixed retail prices stated in their price list. Costs were given against the defendant. The Proprietary Articles Trade Association assisted Messrs. Chesebrough-Pond's in instituting the proceedings.

False Pretences

TABLETS of soap bought from Boots, Ltd., Church Street, Peterborough, were alleged at Peterborough quarter sessions to have been subsequently sold by William Anderson and his wife, Greta Olive Anderson, as "soap made by the blind." They pleaded not guilty to various charges of obtaining money by false pretences with intent to defraud. It was alleged that they had cut Boots' name from the soap and wrapped it three tablets to a package. The soap was bought for 1s. 1½d. for three tablets and sold at 2s. 6d., and Anderson said in court that one shilling was for the blind and fourpence-halfpenny covered wrapping material. Mrs. Anderson sold some of the soap to one of Messrs. Boots' assistants, and when Anderson called at the shop next morning for fresh stock for his activities he found a police officer present. Both accused denied that they said the soap was "made by the blind," but said they described it as being sold "in aid of the blind." Defendants were found guilty and fined £25 each.

COMPANY NEWS

Last year's figures in parentheses

I. ROWLAND JAMES, LTD., Swansea.—A take-over bid made by The British Drug Houses, Ltd., is expected to be accepted by the shareholders.

H. TILLNER, LTD., Reading.—Mr. W. F. Breakspear, M.P.S., has been appointed managing director in succession to Mr. W. Godwin. The position as chairman of the board is retained by Mr. Godwin.

P. B. COW & CO., LTD.—Group net profit for 1958 is £154,991 (£147,935) and dividend, 12½ per cent. (10 per cent.). Profits would have been materially higher but for a fairly substantial loss made by a subsidiary which was included in arriving at the year's figures.

BEECHAM GROUP, LTD.—The company's offer to acquire for cash the entire share capital of James Pascall, Ltd. (*C. & D.*, April 4, p. 362), has been accepted by the holders of over 90 per cent. of the shares and accordingly the offer has become unconditional.

BRITISH XYLONITE, LTD.—Final Ordinary dividend is raised by 2 per cent. to 12 per cent., making an increased total of 15 per cent. for 1958 (against 13 per cent.). Group profits were £1,023,877 (£1,090,557); after tax of £543,000 (£613,000) net profits worked out to £480,877 (£477,557).

BOWATER PAPER CORPORATION, LTD.—Consolidated trading surplus for 1958 is £18·1 millions (£17·1 millions) and net balance attributable to the Corporation £5·8 millions (£5·3 millions), net income, £3·06 millions (£2·69 millions). A final dividend of 8 per cent. making 12½ per cent. for the year (same) is recommended.

F. W. BERK & CO., LTD.—Final dividend, 7 1-12th per cent., making 10 per cent. for 1958 (same, but interim on smaller capital). Subject to audit, group net profit is £189,557 (£149,371) after tax, £203,339 (£209,513) and crediting unrequired tax, £13,000 (nil). To replacements reserve, £30,000 (£20,000); general reserve, £50,000 (£20,000). Group forward £341,469 (£320,104).

SOUTH AFRICAN DRUGGISTS, LTD.—Group net trading profits sixteen months ended October 31, 1958, £634,687 (£299,295 year). Surplus on realisation of property £115,241 (nil). Deduct taxation £182,967 (£91,837), minority holders £25,199 (£2,070). Net profits £541,762 (£205,388). Ordinary dividends £148,575 (£80,000), retained £315,024 (£103,388). Commitments, £66,000 (£25,590).

COOPER, McDOUGALL & ROBERTSON, LTD.—In addition to an unchanged Ordinary dividend of 10 per cent. a capital distribution of 2½ per cent. is being paid. Group net profits for 1958 were £63,083 (against £120,184), after United Kingdom tax of £73,984 (£178,553) and Commonwealth and other—after deducting £55,825 (1957, £100,000)—relief from United Kingdom tax of £28,179 (£39,653).

THE BRITISH DRUG HOUSES, LTD.—Ordinary dividend for 1958 is 12½ per cent. on £1·2 millions Ordinary as doubled by one-for-three rights and subsequent one-for-two free scrip issues. (The previous payment, adjusting for the capitalisation, was equivalent to 11⅔ per cent.) Group net profit increased from £199,960 to £288,991, after tax of £262,606 (£274,758). Preference dividends amount to £22,102 (£21,582) and the Ordinary to £88,200 (£60,375), subsidiaries retain £94,966 (£28,702), general reserve receives £100,000 (same), and the parent company carries forward £83,376 (£99,653).

ASSOCIATED CHEMICAL COMPANIES, LTD., formerly British Chrome and Chemicals (Holdings), Ltd.—A final dividend of 7½ per cent. makes 14 per cent. for 1958 (an increase of 1½ per cent. over 1957). The 1958 interim was on £2,064,164 (£1,039,164) Ordinary, as increased under the December 1957 merger with Brotherton & Co., Ltd., and the final is on £2,154,254 (£1,039,164), as further increased by the acquisition of the balance of capital of Robert Stephenson & Son, Ltd. Group trading profit, etc., rose to £1,229,789 (from £1,095,509) and the net profit to £481,430 (£403,342) after heavier charges for tax of £425,060 (£410,703) and depreciation £320,299 (£281,464). There is deducted pre-acquisition profits £29,049 (£156,858), reserves receive £150,000 (same) and £241,653 (£159,385) is carried forward.

BUSINESS CHANGES

E. R. SQUIBB & SONS, LTD., are removing to Edwards Lane, Speke, Liverpool, 24 (telephone Hunts Cross 3131) on April 28.

THE business of Mr. A. E. King, 83 Gloucester Road, Bristol, has been transferred to Lawrence & Davies (Chemists), Ltd., 129 Gloucester Road, Bristol, 6.

MARSDEN CHEMISTS & CHIROPODISTS, LTD., 10 Morning Lane, London, E.9, have transferred their business to 98 Portland Road, Hove, 3, Sussex.

A. S. DUMEX (DUMEX, LTD.), Prags Boulevard 37, Copenhagen S., Denmark, are taking over the pharmaceutical activities of A/S Medicinalco and A/S Dumex (the pharmaceutical organisation of the East Asiatic Co.).

Appointments

GOLDEN, LTD., have appointed Mr. E. K. Berry, 109 Chase Road, Burntwood, Lichfield, Staffs, representative for the Midlands.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex, have made the following appointments: Mr. R. K. Newman to be field manager; Mr. H. C. Reid to be representative in South-east England; Mr. K. Birch to be representative in Manchester. The appointments are part of a redeployment made necessary by retirements (see p. 455).

MARRIAGES

DAVIDSEN—McMANUS. — At St. Kevins Catholic Church, Montreal, Canada, on April 4, Svein Olav Davidsen, M.N.I.F., Sakshang, Norway, to Veronica Margaret McManus, M.P.S., 45 Stewartfield Crescent, Broxburn, Scotland.

DEATHS

CROSS.—On April 5, Mr. William Gowen Cross, F.P.S., The Mount, Shrewsbury, Salop. Mr. Cross qualified in 1904.

FLETCHER. — On April 1, Mr. George Herbert Fletcher, M.P.S., 33 Southfield Drive, Westhoughton, Lancs. Mr. Fletcher qualified in 1914.

GILCHRIST.—At 36 Regent Park Square, Glasgow, S.1, on April 14, Dr. John Gilchrist, L.R.C.P., L.R.C.S., L.R.F.P. and S. Dr. Gilchrist qualified as a chemist and druggist in 1900.

NEIL.—On March 19, Mr. Henry Neil, M.P.S., 55 Rabe Street, Pietersburg, Northern Transvaal, South Africa. Mr. Neil qualified in 1892.

PEEBLES.—At 3 Strenaby Avenue, Burnside, on April 16, Mr. William Peebles, M.P.S., 110 Springfield Road, Dalmarnock, Glasgow, S.E. Mr. Peebles qualified in 1915.

SEABORNE.—On April 5, Mr. Eric Stanley Seaborne, M.P.S., 3 Crosby Road, Woodseats, Sheffield, Yorks. Mr. Seaborne qualified in 1904.

THOMPSON.—On April 7, Mr. William Cecil Thompson, M.P.S., 64 Rainham Road, Rainham, Essex. Mr. Thompson qualified in 1921.

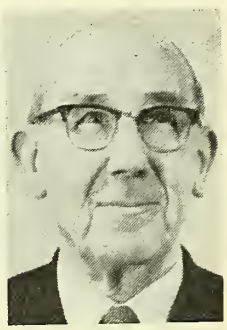
WILLIAMS. — On April 1, Mr. Lionel Alfred Roger Williams, M.P.S., 172 Jeffcock Road, Wolverhampton, Staffs. Mr. Williams qualified in 1939.

PERSONALITIES

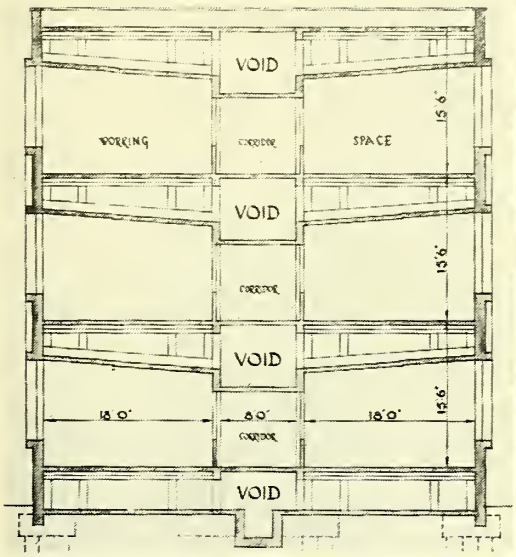
ALDERMAN F. H. SWIRE, M.P.S., Halifax, has been elected chairman of the Halifax Executive Council for a further three years.

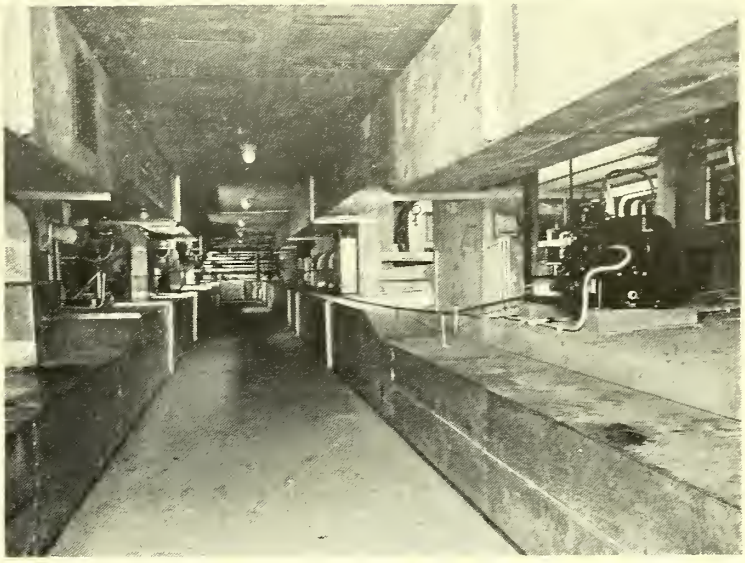
MR. W. G. HOLLIS, M.P.S. (secretary, Proprietary Association of Great Britain) is visiting the United States to attend the annual meeting of the Proprietary Association of America, White Sulphur Springs, West Virginia, May 11–13. During his stay in America Mr. Hollis will visit the Association's headquarters in Washington and the head offices of a number of pharmaceutical manufacturers with interests in Great Britain.

MR. STANLEY JOHNSON who retired from Wright Layman & Umney Ltd. on April 1 had completed fifty-four years service, forty of which were spent as Midlands and Northern Counties representative. Mr. Johnson, affectionately known to most of the trade as "Stanley" was recently entertained at a presentation luncheon in London by the directors of the company. The length of continuous service must be something of a record by today's standards.









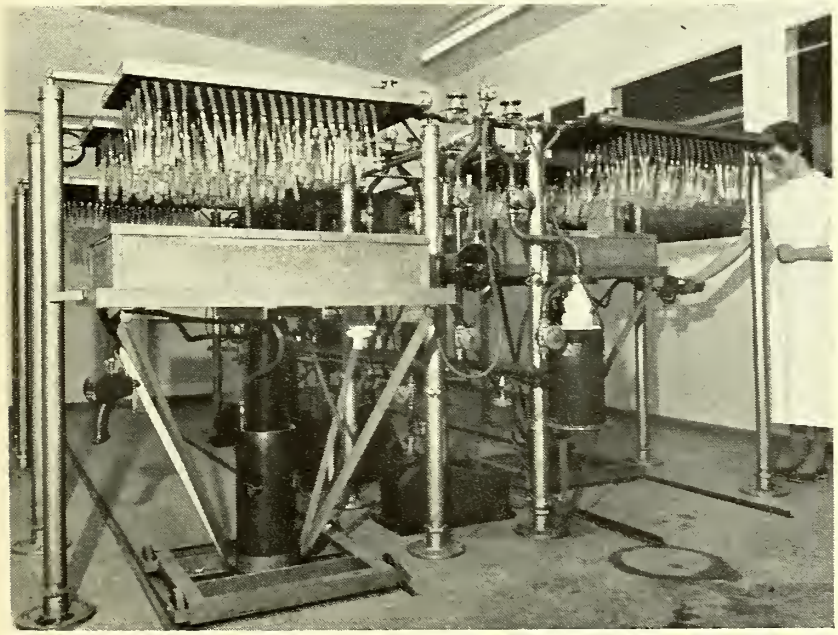
Section drawing of one of the new buildings showing the position of the special "inter-story" voids and—at right—photographic illustration of one of the voids. The plant is accessible for maintenance purposes. At top of page: View of the new buildings at Beckenham. Left to right, Poliomyelitis vaccine production building; virus-vaccine production building; virus research building, and anaerobic bacteriology building.

PRODUCTION OF BIOLOGICALS AT BECKENHAM

New facilities provide for a fourfold increase

INCREASED production of biological preparations, in some cases amounting to four times current production, is anticipated from the completion and equipping of three new specially designed buildings at the Wellcome Research Laboratories, Beckenham, Kent.

On May 1 the first two completed stages of a £2-million, five-year plan are being formally declared open by Sir Henry Dale, O.M., F.R.S. (chairman of the Wellcome Trust). The first stage was the completion of the special poliomyelitis vaccine production building (*C. & D.*, November 16, 1957, p. 534). Of the three new specially designed buildings—the second stage of the plan—the first is for the production of virus vaccines, including vaccines for yellow fever, influenza, canine distemper and canine hepatitis. The production of both yellow-fever and canine-distemper vaccines is already in full swing. The second of the two new virus buildings is for research and development work on both the medical and the veterinary sides. At present it also accommodates the poliomyelitis safety-testing laboratory. The third building is for the production of anaerobic vaccines and for research and development relating to those products. That building, now in use, has a floor area of approximately 30,000 sq. ft., and cost £300,000 to construct and equip. It consists of a main double-



Freeze-drying yellow fever vaccine.



Extraction of the chick embryo in the manufacture of yellow-fever vaccine.

story building of which the ground floor is used for vaccine production, and the upper floor for associated research and development work. The main work carried out in the building is the development and production of vaccines for veterinary use, including those for lamb dysentery, pulpy kidney disease, black disease, blackleg, blackquarter, braxy and enterotoxæmia. The new buildings are similar in design to the previously described building that is used for the production of poliomyelitis vaccine.

All service pipes, ducts, drains, compressed-air and vacuum lines and wiring have, so far as possible, been excluded from the working laboratory areas by the use of special service floors in "voids" above and below the working areas. Plant and services are thus maintained without interrupting the work of the laboratory staff and—what is more important—without "breaking" sterility. The avoidance of horizontal pipes and ducts in the laboratories enables cleanliness to be more easily maintained. The addition of new services or the removal of redundant ones, too, is achieved with a minimum of disturbance in the laboratory working areas.

The third phase of the Beckenham development plan of the Wellcome Foundation, Ltd.—still in its early stages—provides for the erection of a large building (begun in December 1958) for research development and the production of antisera for human and veterinary use. The design of the building is basically similar to that of the other new buildings, but an unusual feature is the provision of two large rooflit areas for the processing and refining of antisera. The provision of a new pharmacology laboratory is in hand. Work on it was begun this month.

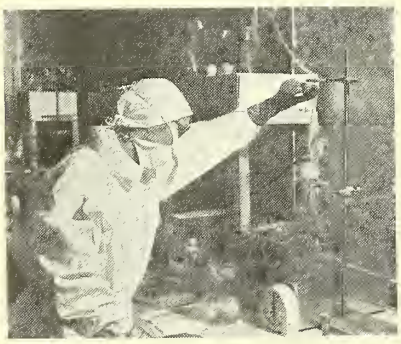
POLIO VACCINE PRODUCTION AT SANDWICH

Production and testing methods in a £1-million plant

THOUGH the problems of producing a safe and effective poliomyelitis vaccine are the same for all manufacturers, the solution of the problem—so far as it shows in layout and plant—seems to vary characteristically with each.

At Sandwich, where Pfizer, Ltd., are now producing the vaccine in large quantities, the vaccine unit consists of three one-story buildings covering 30,000 sq. ft. and divided into 200 separate rooms. The buildings had to be planned to provide for an even flow of the highly complicated product; to give protection to the staff against infection and to the vaccine against contamination; and to ensure the disinfection, cleaning or incineration of all waste materials—including air—emerging from the unit.

To ensure that all glassware used in the production building is surgically and chemically clean, distilled water is manufactured and used at the rate of 1,000 gall., demineralised water at the rate of 4,000 gall., per day. There are three main air-conditioning plants (for the sterile area; remainder of process area; and administrative area). Two further air-conditioning plants cater for the testing building. The apparatus for air conditioning controls also the temperatures inside the building, heating or cooling the air taken in or in circulation as may be required. So that maintenance of the services may be carried out outside the working areas—thereby avoiding any danger of contamination—steam, gas, compressed air and water are piped below floor level, and electricity and air conditioning from above ceiling level. An electrically operated panel in the vaccinc-unit control-room reveals any fault that may occur in the electrical or mechanical apparatus anywhere in the unit.

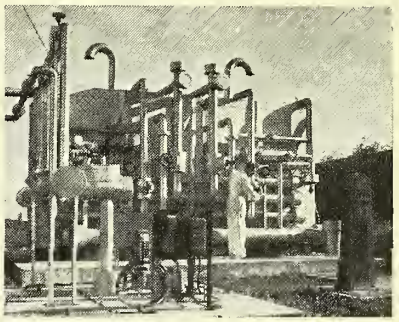


An aspect of the process of trypsinisation of the kidney tissue to break it down by enzyme action into individual cells.

Messrs. Pfizer have announced their aim "consistently to produce a vaccine substantially more potent than any yet produced." Like all other polio vaccine in use today, the company's product is trivalent, containing the three main types of polio virus, inactivated by formalin. The strains used are Brunenders (type I); M.E.F.I. (type II); and Saukett (type III). The inactivation with formalin renders the virus incapable of giving rise to the disease while retaining its ability to stimulate production of protective antibodies. Manufacture and testing take 20-24 weeks to complete, and of that time only 3½–4 weeks is taken up with manufacture. The remainder is required for testing. To produce the vaccine, kidney tissue from healthy monkeys is broken down, by treatment with trypsin, into an emulsion of individual cells. The suspension is "seeded" into flat-sided bottles containing nutrient medium and incubated at body temperature for about a week. During that period the cells multiply to form a sheet over the inner surface of the bottle. After removal of the nutrient, the cells are washed and fresh medium of different composition substituted. Each bottle is inoculated with about 2 c.c. (2 millions) of particles of one type of virus. In the cultured kidney tissue cells the virus multiplies, and after two to three days the kidney-tissue cells that are killed by the multiplying virus become detached from the glass and sink to the bottom of the bottle, leaving a fluid many times richer in living virus than at the start. The fluid is harvested and mixed with the yield from other bottles to form a single strain virus "pool." The material is tested to confirm that only the intended virus (and neither any other nor any bacteria) is present; and estimated for concentration of virus present. Inactivation by diluted formaldehyde is difficult and critical, calling for extreme vigilance and repeated tests. When the tests have been passed, the monovalent "pool" is incubated at body temperature for twelve days (six days for the reaction between virus and formalin and a further six as a safety measure). During the twelve-day period the mixture is several times transferred to fresh containers in a separate room via a narrow tube through a wall (the narrowness providing an additional insurance that every virus particle comes into contact with the formalin).



During the growth of the kidney-tissue cells on the nutrient medium they have to be inspected. The Lepine flasks, flat on one face right through to the neck, lend themselves admirably to inspection on an illuminated box.



Effluent disposal takes on the character of a major operation when the product involved is a potent vaccine. In the plant illustrated all liquid is rendered inactive and neutral before being allowed into the normal drainage system.

Vaccine Becomes "Trivalent"

The process is repeated for the other two types of polio virus and only when the three "pools" have separately passed all tests are they mixed (in roughly equal quantities). The resulting trivalent vaccine has to be subjected to its own series of tests and its final calibration for potency (judged by its ability to produce antibodies). As issued for use the product includes a pink indicator (to show that it has the correct *p*H), a preservative, and a chelating agent as stabiliser. It has been

adjusted to become isotonic with the blood serum.

Having passed the company's tests, every batch, with a complete dossier (a "protocol" running into 80–120 pp.) recording its production and testing, goes to the National Institute for Medical Research, and the Institute applies its own tests before allowing the batch to be released.

The plant at Sandwich is producing at the rate of 1 million doses a month but is capable of twice that amount. The cost of establishing the unit was about £1 million. The first batches of polio vaccine involved an "astronomical" cost, state Messrs. Pfizer, but the plant is now, of course, available for producing other vaccines. Research and production in that field are being undertaken.

REPORT ON PRESCRIBING IN SCOTLAND

Committee makes many suggestions for reducing costs

THE Scottish Committee on Prescribing Costs, in its report just published by H.M. Stationery Office (price 3s.) makes the charge that there is unnecessary and excessive expenditure on drugs and dressings under the National Health Service. The Committee attributes the excessive cost to current prescribing practice. It states that it does not, however, consider that the solution lies in "excessive interference by the State"—that would be costly and cumbersome to enforce, the report says. A number of changes and reforms (no less than thirty-one) are named which would, in the Committee's opinion, result in considerable savings. "It is largely doctors' ignorance of costs that is at the root of the problem. In the end the main need is to foster in all members of the medical profession . . . a sharper realisation of the need to protect the public purse."

Comments on the Industry

Recommendations affecting the drug manufacturing industry are that:—

(1) The Central Health authorities should invite and if necessary compel makers (a) to state, on all printed advertisements, the Cohen category, and the approved name and the price of the product in "a uniform and distinctive device" and (b) to consider what steps can be taken to discourage "blunderbuss" therapy.

(2) The Department of Health should (c) from time to time issue reminders of the meaning of the different Cohen categories and (d) investigate the possibility of restricting duplication of drugs by amendment of the Law (125).

(3) The Medical Associations and the Association of British Pharmaceutical Industry should consult regularly to see that satisfactory standards are maintained in the advertising of drugs to doctors.

(4) While many drugs are given carefully controlled trials, the Committee deplores the practice of some manufacturers in quoting "what is sometimes only superficial discussion between a representative and a consultant as an endorsement for a preparation," and recommends that hospital doctors should guard against making unconsidered remarks to representatives that might indicate approval of a drug.

Under the title of General Medical Services the Committee recommends that:—

The Department of Health should (a) urge doctors to make the British National Formulary the basis of their prescribing, asking Local Medical Committees to assist in promoting its use; (b) use all possible means short of prohibition to discourage the prescribing of drugs in Cohen categories 5 and 6; (c) assist Local Medical Committees in examining prescription forms; and (d) arrange for the issue of prescribing statistics to doctors to be speeded up.

The Committee say that it has been impressed by the alternative edition of the B.N.F. (preparations and formulas grouped according to pharmacological action instead of in alphabetical order) and recommends that that edition should be sent next time to doctors. The report suggests that Local Medical Committees should take the initiative in arranging regular meetings with Local Pharmaceutical Committees.

Teaching hospitals should accept that instruction on economy in prescribing is primarily their responsibility.

Under Hospital and Specialist Services the Committee recommends that:

(1) The Department of Health should arrange with Regional Hospital Boards that hospital prescribing committees should be set up throughout the service which in turn should (a) institute costing of hospital prescribing, relating particular consultant posts to defined areas of responsibility for prescribing; (b) consider requiring junior doctors to obtain the counter signature of the chief of the unit on prescriptions they write for unfamiliar expensive drugs; (c) issue the B.N.F. (alternative edition) to hospital doctors as well as to general practitioners.

(2) Regional Hospital Boards should take a fully active part in making inquiries about and comparisons of hospital drug costs.

(3) Hospitals should make rules governing the access of representatives of drug manufacturers.

(4) Where a clinical trial involves the use of a new drug by family doctors, boards of management should require an estimate to be made of its cost both to the hospital service and to the general medical service. Where those costs are to be borne by the National Health Service, and their cost is expected to be over £250, Regional Hospital Boards should require the investigators to consult the Advisory Committee on Medical Research.

In hearing representatives of the Association of British Pharmaceutical Industry and also officers of the Department of Health, the Committee raised the question whether cost investigations by the Government were undertaken to make sure prices charged for drugs were not excessive. "We cannot claim," the report says, "to have determined whether or not the prices charged are in fact reasonable" but are satisfied that the authorities are watching that point.

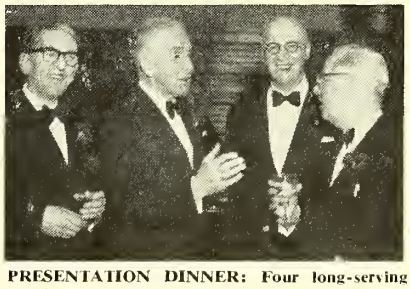
The Committee was appointed by the Secretary of State for Scotland on June 16, 1957, "To inquire into prescribing practice in the General Medical Service and in the Hospital and Specialised Services in Scotland with particular reference to the factors governing costs; and to make recommendations." The committee included Dr. D. McCall and was under the chairmanship of Sir James B. Douglas.

MANUFACTURERS' ACTIVITIES

Employers' recognition for long service



Fifty Years with the Company. — A pleasant ceremony took place at the offices of Chas. Zimmermann & Co., Ltd., Walmgate Road, Perivale, Greenford, recently when Mr. A. C. Cocksedge (manager of the shipping department) retired after fifty years' service. A presentation was made on behalf of the directors and staff and tribute paid to his meritorious and loyal service. Mr. Cocksedge is seen on the left of the picture in company with Mr. J. Northwood (formerly manager of the pharmaceutical and fine chemical warehouse), who retired in 1958.



PRESENTATION DINNER: Four long-serving members of the sales and production staff of Parke, Davis & Co., Ltd., Hounslow, Middlesex, retired on March 28. Messrs. H. E. Bothwell (representative in South-east England), S. E. Chadwick (field manager for London and Home Counties), W. Waterman (superintendent of production) and L. Stockwell (representative in Manchester area) who retired in March, were guests of the company at a presentation dinner.

CANDIDATES FOR ELECTION TO THE COUNCIL

Who they are and what they stand for

FOR the seven vacancies on the Council of the Pharmaceutical Society there are ten candidates, among them four challengers to six outgoing members (the seventh, Mr. F. G. Wells, is not standing again). Voting papers are now being sent out. They must be returned not later than 12 noon on May 20 in order to be accepted. The candidates are:—

BARNES, JOHN FARRER

Now the proprietor of four pharmacies in Liverpool. After an apprenticeship at Ulverston, Lancs, went to Harrogate as improver and on to Sandiacre, Notts, for further experience as assistant. Qualified in 1928 from the Liverpool School of Pharmacy and Manchester University, and subsequently managed branches in Fishergate, Preston, and Brixton, London, for Timothy Whites & Taylors, Ltd. A past-president of the Liverpool Chemists' Association and past-chairman, Liverpool Branch of the Pharmaceutical Society; a member of the Liverpool Pharmaceutical Committee; a member of the pharmaceutical service committee of the Executive Council; a member of the committee of the Liverpool branch, National Pharmaceutical Union; a governor of the Liverpool City College of Technology in a pharmacy advisory capacity, and a member of the Liverpool City Council.

POLICY: When I was elected in 1956 my policy statement was based on education, ethics and economics, and my views have not materially changed during three years' service on the council. *Education:* Pharmacy seems to be on sound lines educationally and practising pharmacists will come to appreciate that pharmaceutics III, if fully implemented, provides a long-felt need in training. The benefits of the education policy will become apparent sooner than many may have thought if recruitment is maintained by effective career publicity. *Ethics:* The Society's Statement on Matters of Professional Conduct, due for revision, still calls for greater definition. It should be a clear guide providing standards generally acceptable and capable of fulfilment. It should provide for consistency of interpretation of adopted principles. Benefit can be derived from improved but rational ethical standards. *Economics:* Industrial and public (hospital) pharmacy appear to have a bright future in fields open for vital pharmaceutical employment, dependent on recruitment of pharmacists prepared to take part in research and pharmaceutical development. Remuneration in the hospital field leaves something to be desired and calls for vigorous leadership in negotiation. Retail pharmacy presents, perhaps, the greatest problem and it becomes an increasing and urgent necessity for the leaders of the profession to make a close study of prevailing conditions, present tendencies, and indications to the future, with a view to providing further outlet for pharmaceutical training and stimulating practice. A recent decision on distribution, whilst disappointing in some respects, presents a challenge. It need not adversely affect retailers provided pharmacists, by personal dignified service, give to the public the sure knowledge that the pharmacist, of all distributors, is the one person with knowledge to provide safety and advice in the choice of medicines freely purchased. The support of the Society in developing suitable publicity advantageous to pharmacy could be immensely important.

BROCKLEHURST, ERIC ARTHUR

QUALIFIED in 1927. A proprietor pharmacist, controlling five pharmacies. Has been a member of Council since 1944, and during that time has served on all Committees. At present is on the Ethical, Finance, and Publications Committees and chairman of the Establishment and Organisation Committee. A member of the British Pharmaceutical Codex Revision Committee, and of the Executive of the British Pharmaceutical Conference. A member of the Executive of the National Pharmaceutical Union (chairman, 1945–46) and of the Central N.H.S. (Chemists Contractors) Committee. A past-president of the Chemists Federation. In Hull, a past-chairman of the Hull Branch of the Society and chairman of the pharmaceutical Committee, a member of the Executive Council, a governor of the University, and a justice of the peace. Sheriff of the City, 1956–57, and a past-president of the Rotary Club.

POLICY: During the fifteen years I have been on the Council there has been some advancement in the position of the pharmacist and I have worked to the best of my ability towards that progress. The new education regulations are now in being, and with them the Council is endeavouring to consolidate a higher professional standing for its members, in keeping with those requirements. I believe that members will support that policy, and it is my concern to see that it is sound and favourable to the big majority of pharmacists. I have been engaged in retail pharmacy all my business life, but have more than twenty years' experience in administrative work associated with pharmacy at national level. I think that that experience helps me in dealing with the difficulties and problems that come before the Council. It will be my endeavour to interpret the wishes of members and I ask for the support of all pharmacists in industry, hospital and retail, with whose difficulties and aspirations I am closely concerned. I ask you for the opportunity of continuing my work for all pharmacists.

BURR, MAY AGNES

QUALIFIED in 1929. A proprietor pharmacist. A member of Council since 1947. A past chairman, Nottingham and District Branch of the Society; past-president, National Association of Women Pharmacists; and past-chairman of its Nottingham branch. A member of the advisory committee for pharmaceutical education, University of Nottingham, and representative on the Court of the University.

POLICY: In seeking re-election to the Council of the Pharmaceutical Society I would state that during my term of office as a member of Council I have served on standing committees and held office as chairman of the Benevolent Fund and Ethical Committees. It has been gratifying to be afforded the opportunities to contribute towards the betterment of pharmacy and to carry out the duties placed upon a member of Council. In my opinion the successful future of pharmacy depends on its intake. During the past years I have addressed many schools and careers conferences on the subject. I consider the right type of publicity for pharmacy and "Pharmacy as a Career" is of vital importance today, and would give it my first consideration and wholehearted support, bearing in mind and upholding the Society's motto *Habenda Ratio Valetudinis.*

GROSSET, JOHN BENNETT

ATTENDED the Heriot-Watt College, Edinburgh, 1938–40. Qualified July 1940. Passed examination for Diploma in Biochemical Analysis, March 1947. A proprietor pharmacist and holder of first T.S.A. licence for penicillin in Scotland. At present chairman of Executive, Scottish Department of the Pharmaceutical Society. A member of the Scottish Health Services Council and of its Standing Pharmaceutical Advisory Committee. A member (*ex-officio*) of the Pharmaceutical Standing Committee (Scotland) and of the Pharmaceutical General Council (Scotland). A member of the Executive Council for the City of Edinburgh and chairman of its Services Administration Committee. Committee member and former chairman of the Edinburgh and South-eastern Scottish Branch, Pharmaceutical Society and a former secretary of the Edinburgh Local Pharmaceutical Committee.

POLICY: I believe that at all costs our Society must retain its examinations for the Pharmaceutical Chemist diploma. If that is not done then the Society will become purely a registering body, with the control of the syllabus, etc., passing to the various universities. In my opinion the future of the retail practice of pharmacy is in jeopardy, and that is a reason why the newly qualified pharmacist prefers another branch of the profession. I am sure that in retail pharmacy it is possible for the new entrants to the register to fulfil their high ideals. As the greatest proportion of pharmacists at present on the Register are engaged in retail practice I feel that the Council must turn its attention to the problem of the survival of retail pharmacy, and thus maintain a correct balance between the number of privately owned pharmacies and those of the companies and the Co-operative societies.


Mr. J. F. Barnes


Mr. E. A. Brocklehurst


Miss M. A. Burr

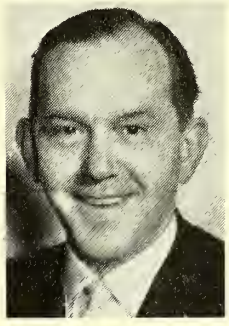

Mr. J. B. Grosset


Mr. T. Heseltine


Mr. K. Holland


Mr. G. H. Hughes


Miss M. H. Perkins


Mr. H. Ridehalgh


Mr. H. Steinman

The Pharmaceutical Society must realise its obligations to retail pharmacy.

HESELTINE, THOMAS

A retail proprietor pharmacist. Qualified in 1921. Has served on the Council for fifteen years, and was vice-president of the Society in 1952–53, president in 1953–54. For the past three years has been chairman of the Benevolent Fund and Birdsgrove House Committees, and is a member of the Statutory, Finance and Education Committees. For the past twenty-one years has been a member of the Executive Committee of the National Pharmaceutical Union and was chairman of the Union in 1943-44. A past-president of the Chemists Federation. A member and a past-chairman of the Central N.H.S. (Chemist Contractors) Committee; a member of the Pharmaceutical Whitley Council, staff side, committee A and of the West Riding of Yorkshire Executive Council.

POLICY: If re-elected I will continue to work for the good of pharmacy in general.

HOLLAND, KENNETH

QUALIFIED in 1938 and, after a short period of hospital pharmacy, took up a retail managerial post until 1941, when he began five years' service in the Royal Air Force. Was granted a commission in 1943. From 1946 to 1949 was a representative in Essex for Pharmaceutical Specialities (May & Baker), Ltd., Dagenham. Is now a director of Macarthys, Ltd., and of Macarthys (Wholesale Chemists), Ltd., Romford, and a past-chairman and treasurer of the Romford and District Branch of the Pharmaceutical Society.

POLICY : You will see that I am in daily touch with the problems of many retail pharmacists, though not myself a retailer. It is, I agree, necessary and right that most members of Council should be retailers, as representing the largest section of our profession. But I also contend that at least a few should represent wholesale and manufacturing practice, which is, after all, a vital section if numerically small. I am not active in any other organisation within pharmacy, but, far from apologising for that, I put it forward, together with the fact that none of my spare time is taken up with local or national political activity, as a positive reason why you should give me your support. I want to make the point that wholesale and manufacturing pharmacists are engaged in aspects of management with which the retailer is not much concerned, but which contribute a type of experience that could be of specialised value in Council deliberations. I am thinking of such matters as public relations, publicity, and contact with outside organisations not commonly encountered by the retail pharmacist. From some angles, the wholesale pharmacist is equipped to take, I would argue, a more objective and complete view of the problems of the pharmacist in retail practice. For those reasons, added to my sincere belief in my profession, I seek your vote. Pharmacy has many difficulties facing it in the future. As always, it is on our policies for determining the education of future members, and governing our relationships with the public, that our success or failure in meeting those difficulties will largely depend. It is my belief that the present educational policy of our Council produces pharmacists superbly equipped academically but who have too little contact with practical reality. Emphasis on the disciplines of the classroom must not be allowed to obscure the value of the disciplines of daily routine. A pre-registration experience, whether in hospital, manufacturing pharmacy or—and most especially—in retail management, that is limited to a mere twelve months (not even necessarily of continuous employment) seems to me inadequate. If elected, I shall support every practical measure aimed at recognising the value of the experience to be gained in daily practice, freed from ultimate professional responsibility.

Equally vital is the attitude of the public towards our profession, for, if that is bad, both our own status and the quality of new entrants become lowered. It is obvious that at present many members are, like me, much concerned at the present conduct of "public relations" by our Society. No time should be lost in securing the full-time services of a first-rate public relations officer who not only understands the problems and aspirations of our profession, but who is also an expert in the modern techniques of his own. Such men exist. It is the Council's duty to find one and to guide and help him to conduct a sustained campaign aimed at ensuring that pharmacy, when it is mentioned in the Press, on television or in any other medium, is presented as a true picture. Those are in my view the problems that most need consideration today. I think I have a distinctive contribution to make in their solution.

HUGHES, GWILYM HYWEL

A PROPRIETOR pharmacist. Has been a member of the Society's Council for eleven years. A past-chairman of the Anglesey, Caernarvonshire and Colwyn Bay Branch of the Society. An alderman of the Colwyn Bay borough council. Has been chairman of that Council's Health Committee and is a past mayor of the borough. Chairman of the board of governors, Colwyn Bay Grammar School, and chairman of the

pharmacy advisory committee, Welsh College of Advanced Technology, Cardiff.

POLICY: I have always welcomed the opportunity to serve my fellow pharmacists and it is because of that desire that I have again accepted nomination for the Council. I have been glad of the opportunity to visit many Branches of the Society and at all times I have been conscious of my responsibilities. That has been particularly so during my two years as vice-president, and I sincerely hope that I have at all times upheld the dignity of our Society. If I am re-elected it will be my constant aim to work for the betterment of pharmacy.

PERKINS, MARJORIE HALL

TRAINED at Leicester School of Pharmacy and qualified in 1922. Now a director of the private retail company at which she served her apprenticeship. Secretary and treasurer for the past twelve years of the Leicester and Leicestershire Branch of the Pharmaceutical Society, of which she is a past-chairman. Vice-chairman and a past-secretary, Leicester Branch of the National Pharmaceutical Union, and secretary of the local branch, Proprietary Articles Trade Association. A member of Leicester Executive Council and chairman of its ophthalmic technical subcommittee. A member of the advisory committee of the school of pharmacy, Leicester College of Technology, and a former member of committee, National Association of Women Pharmacists.

POLICY: My experience on various pharmaceutical committees and as branch secretary for the past twelve years has brought me into contact with members of all branches of pharmacy from many parts of the country and has helped me appreciate the views and problems of my fellow pharmacists. I have taken great interest in national pharmaceutical affairs, having been delegated to attend conferences and meetings of the Society and those convened by the National Pharmaceutical Union Executive Committee, etc. My endeavour will be to protect the interests of all sections of pharmacy, especially retail practice, in which I have been actively engaged all my life, enabling me to have up-to-the-minute knowledge of all the problems and difficulties encountered therein. I uphold the Charter obligations of the Society and realise the magnitude and importance of the work that faces the Society to maintain pharmacy on a firm foundation. It calls for the closest co-operation between Council, the Society's branches and allied organisations. I wish to further the complete unity of pharmacy in all its many varied branches and to see more financial rewards going to those members of our profession who discover and pioneer new drugs and less to the commercial exploiters of such discoveries. I also wish to see more publicity directed to the fact that pharmacy through research is helping to keep hospital costs down. My statement of policy remains in essentials as I have previously laid down and I thank all those who have previously supported me with their votes. I hope I may have their votes again and also that little extra from others who share my views, so that those views may be heard in Council.

RIDEHALGH, HARRY

BORN in Great Harwood, Lancs, fifty-one years ago. Qualified from the South of England College of Pharmacy in 1931. Managed shops for Savory & Moore, Ltd., for several years, before buying his own business in Bournemouth fourteen years ago. Two years ago purchased a second business. Has always interested himself in local pharmaceutical matters, and was secretary of the Bournemouth Branch of the Pharmaceutical Society for eight years, its chairman for two years. During his term of office as chairman was prime mover in the inauguration of the Southern Regional Conference (Bournemouth, Portsmouth and Southampton Branches). Is at present chairman of the Bournemouth and Poole Branch of the National Pharmaceutical Union, chairman of the Bournemouth Pharmaceutical Committee, a member of the local Executive Council, and chairman of the Local Committee of the British Pharmaceutical Conference, 1959.

POLICY: Territorial representation has many advantages. I think it could do much to reduce apathy among members. I am aware of its alleged disadvantages, but the time has come for the matter to be examined more closely. Today, the North has a preponderance of Council members, while the South is inadequately represented. Here is a chance to restore the balance. Use your vote. I am a retail pharmacist, but would bear in mind the problems of my brother pharmacists in hospitals or industry. The reason for the shortage of qualified staff in hospitals is the disparity between hospital and retail salaries. Hospital salaries should be brought into line with retail. That is the solution to the hospital problem, not the registration of technicians. I am opposed to the registration of technicians. But if, through changing circumstances in the future, registration were considered to be essential, then the control of registration should be in the hands of the Society. Important matters should be discussed by members at Branch meetings before final decisions are made by the Council. Insufficient interest is taken by the Society in its own members. The Council should do much more than it does for the individual pharmacist. It should control new entrants into pharmacy, and should channel them into establishments, either multiple or private, where they would receive the best training. A course of training in management should be included in the syllabus. Despite the decision of the Restrictive Practices Court, I am of the opinion that medicines should be sold only by pharmacists, and I will do everything possible to further that end. The retention fee for pharmacists over seventy years of age should be abolished. A first-class, fully trained Public Relations Officer is essential.

STEINMAN, HARRY

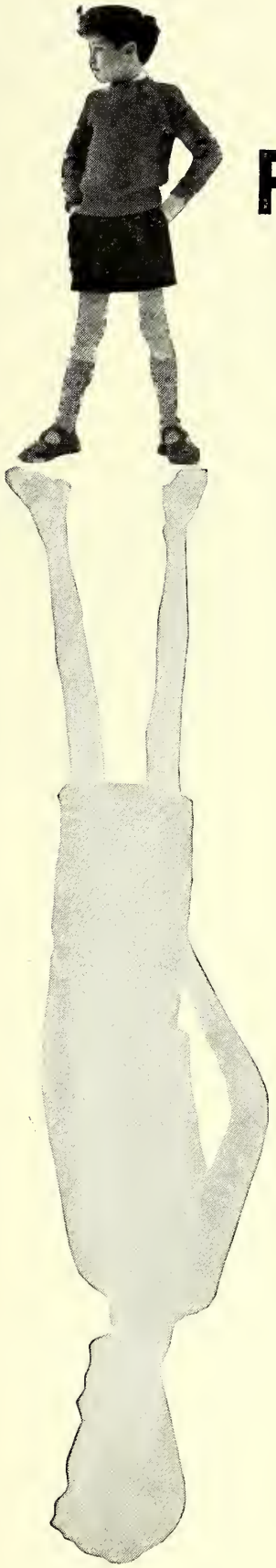
QUALIFIED 1927. A proprietor pharmacist. Elected to Council 1947. Vice-president of the Society 1954, president 1955. At present serving on the Benevolent Fund, Law and Finance Committees of the Council. A past-chairman, National Pharmaceutical Union Executive (still a member), and a past-chairman, Central N.H.S. (Chemist Contractors) Committee. A director, Chemists' Defence Association, Chemists' Mutual Insurance, Chemists' Sickness and Provident Society, and chairman, Business Purchase and Guarantee. In Manchester has served as chairman of the Pharmaceutical Society's Branch, president of the Manchester Pharmaceutical Association and chairman, N.P.U. Branch (still a member of their executive committees). Has also been chairman of the Junior Branch of the Association. Chairman of the Pharmaceutical Committee and a member, Manchester Executive Council.

POLICY: In the twelve years that I have now been privileged to serve my calling as a member of Council, the steady advancement of the pharmacist and of his profession as a whole has always been my main preoccupation. If I am re-elected, that same purpose will still be my main objective.

MINISTER CRITICISED

Delays "contrary to public interest"

DELAYS by the Minister of Health are criticised by the Select Committee on Estimates in its fifth special report for the session 1958–59 (H.M. Stationery Office, price 2s.). The Committee recommended in July 1957 that the Minister should inquire into the domiciliary consultative service to determine the extent, if any, of its misuse and to recommend what controls, if any, were required to prevent abuse. The Committee was told that the Minister had asked for the views of the Medical profession on the form the inquiry might take, but that he had received no suggestions. The Committee had sent a letter to the Ministry notifying the appointment of a subcommittee to hear further evidence on the matter, and two days later the Minister asked the Regional Hospital Boards for the basic facts. The Committee considers that that step should have been the first and immediate response of the Minister in 1957. The Committee appreciates the difficulties, says the report, but "in circumstances such as these, delay in instituting a thorough inquiry is contrary to the public interest." Even more pungent criticism of the Minister is contained in a section dealing with the Committee's recommendation that he should "urge . . . that medical students before qualifying . . . should satisfy their examiners . . . they have a proper knowledge of the financial structure of the National Health Service and of the costs of treatment for which they may be responsible." The Committee holds that the Minister had a responsibility for doing all he could to establish a "full sense of cost consciousness in the minds of all who are employed in the Service."



FOR THE CHILD UNDERWEIGHT

Pleasant tasting PALADAC* liquid vitamin supplement is a positive answer to the problem of the underweight child. Mothers like to give it because the fastidious child accepts it readily and doctors know that when PALADAC is prescribed the patient will be assured the principal fat and water soluble vitamins necessary for nutritional support. Because of its high concentration of vitamin B, PALADAC is effective in sharpening the appetite and encouraging improved dietary intake.

PALADAC is easily administered in a teaspoon or mixed with milk or fruit juice. In bottles of 4 and 16 fl. ozs.

PALADAC

LIQUID VITAMIN SUPPLEMENT

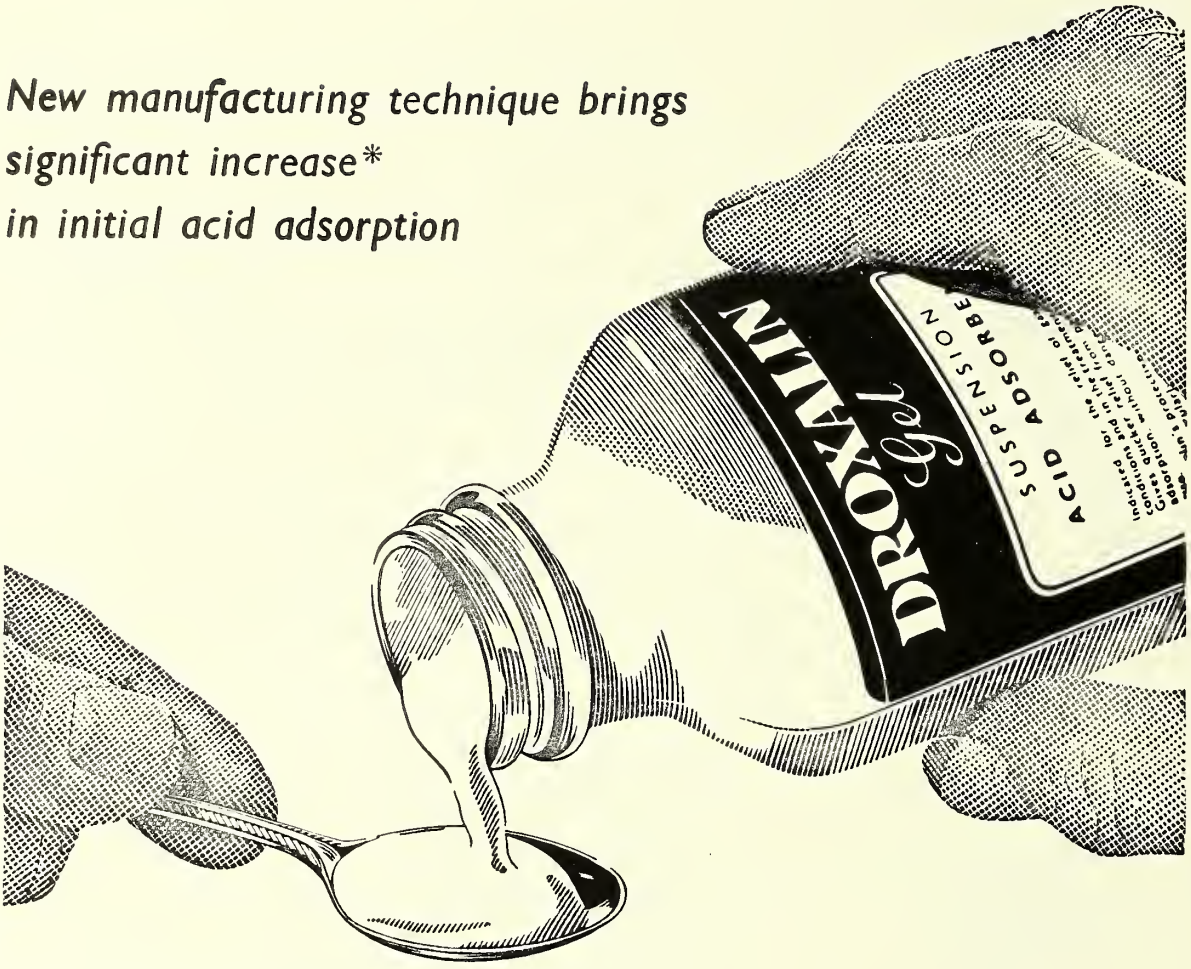
**TRADE MARK*

Parke, Davis & Company Limited (Inc. USA)
Hounslow, Middlesex. Telephone Hounslow 2361
and at Carfin Industrial Estate, Carfin, Lanarkshire. Telephone : Holytown 326/7

WPS 1010

H

New manufacturing technique brings significant increase in initial acid adsorption*



INTRODUCING DROXALIN GEL

Rapid adsorption of gastric hydrochloric acid is accepted as the most effective method of obtaining relief in peptic ulcer pain.

* In two minutes a single teaspoonful (3.5 mls.) of DROXALIN GEL will neutralise 50 mls. of N/10 HCl. This is *several times* the speed of acid adsorbents prepared by usual methods.

Using the well established Droxalin formulation a new and exclusive manufacturing technique has produced in DROXALIN GEL an antacid possessing this significant increase in initial acid adsorption. The advantages of quicker acting DROXALIN GEL in peptic ulcer therapy and hyperacidity will be readily recognised. The palatability of Droxalin Tablets is achieved.

DROXALIN *Gel*

ACID ADSORBENT

Droxalin palatability in liquid form

ACTIVE INGREDIENTS	DOSAGE	PACKS AND PRICE
Each teaspoonful (3.5 mls.) contains 60 grains Aluminium Hydroxide Gel B.P. (equivalent to 5 grains Dried Aluminium Hydroxide Gel B.P.) and 5 grains Magnesium Trisilicate B.P.	One or two teaspoonfuls one half-hour after meals. Repeat as necessary.	DROXALIN GEL is available in 8 oz. and 80 oz. bottles. Prescribable on E.C.10. Basic N.H.S. cost. 1/10d per 6oz. bottle.

CLINICAL TRIAL SAMPLES ON REQUEST TO :—SCOTT & TURNER LTD., NEWCASTLE UPON TYNE

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at
28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Too Easy Honours?

PUBLICATION of the names of candidates standing for election to the Council of the Pharmaceutical Society is a reminder that in a few weeks pharmacists will be asked to choose their Kings and Queens of the May. On the experience of recent years the occasion is likely to arouse about as much enthusiasm as would a maypole dance at Catterick Camp.

Many opinions have been put forward as to the reasons for the apathy of the pharmaceutical electorate. Basically the situation is that a Council member upon election gains power without publicity. At public sessions he does not have to open his mouth. It may even be a disadvantage to do so, because if he has anything to say it may differ from the views of the one or two policy-makers, and so prejudice his chances of one day succeeding to the presidency by sheer seniority of service. Obviously we do not argue that the twenty-one elected members who assemble round the table each month are invariably silent, at any rate "in Committee." The point is that, so far as voters are concerned, it makes no difference whether they have opened their mouths or not. Unless as chairman of a committee, a member's name is never, in the admirably vetted report issued on behalf of the Council for publication in the pharmaceutical Press, mentioned as having made any contribution to the discussion. [Contrast reports of meetings of the Councils of the two Irish Societies.] A member may, before being elected, have been vociferous in campaigning for a particular cause. Hear him addressing a Branch meeting afterwards and you learn nothing but the collective decision of the Council—his address perhaps all the more uninspiring because it does not reflect views he presumably still holds. The villain of the piece is the misapplied doctrine of collective responsibility. Once a decision has been taken no Council member must ever hint that it was not unanimously reached. The doctrine is misapplied because it belongs to a Party system of government in which, if the Government falls, there is an Opposition in being to take over. There is also a "Question time in the House of Commons." In pharmacy there is no opposition, and there is no parliament. The Branch Representatives' meeting? But Council members are rigorously excluded from taking any part in those proceedings. In May, at the next meeting they will not even, as in the past, be on display on the platform.

Is the whole thing then futile? There seems to us one way in which members can get more value for their crosses on the ballot paper. We do not now refer to territorial representation, which has had its advocates in the past and one champion, at least, among this year's candidates. We mean the candidates' meeting, of which examples are organised in the Metropolitan and certain other areas. Admittedly two essentials must be met before any useful result can be expected from such meetings. One is that there should be a full attendance of members. The other is that there should be a full attendance of candidates, or at least of the challengers (by our own arguments a single representative of the outgoing Council members should be enough). Unfortunately, both essentials have in recent years been far from fulfilled, and that creates its own vicious circle. On the one hand members stay away because they do not expect to see and hear all the candidates (they may even think that those who do not appear feel confident of so strong a following in some part of the electorate that they have no need to court votes elsewhere; and by contrast that those who do turn up are those most in need of votes). On the other hand candidates get browned off after travelling half the country to address a dozen stalwarts who have probably already decided how they are going to vote. The meetings are in themselves worth while. It is up to their organisers to make clear that candidates are *expected* to attend, and will be proving themselves unworthy of election if they do not. The rest is up to members.

Of course complete coverage of the country with such meetings may be unrealisable, at least in any one year. That does not lessen the value of those meetings that do take place. And London, which has both a high concentration of pharmacists and ample transport facilities, should certainly put on a good show.

Curbing the Costs of Prescribing

THE report of the Scottish Committee on Prescribing Costs which was published on April 21 (see p. 449) precedes the Hinchliffe report by a few weeks. It will be illuminating to see how far the two committees are in agreement and how far the differences in the prescribing habits between England and Wales on the one hand and Scotland on the other call for varying remedies to cut down the cost of prescribing. So far as the Scottish report is concerned we anticipate that there will be some raising of eyebrows on the part of pharmaceutical manufacturers at some of the suggestions made. Outstanding amongst them is the suggestion that hospitals should make rules governing the access of representatives of drug manufacturers. Realising that such a decision would be difficult to enforce, the committee says that it would welcome an extension of the practice of some hospitals whereby the representative must first approach an administrative officer or the chief pharmacist, except where a prior appointment has been made with a chief of unit or senior consultant.

No doubt retail pharmacists will welcome the suggestion on the possibility of restricting duplication of drugs by legislative provision. But the Committee points out it had in mind only the National Health Service and could not take export considerations into account.

Local Medical Committees are urged to take the initiative in arranging regular meetings with the Local Pharmaceutical Committees; too often in the past that identical suggestion made by the hospital pharmacist has fallen on deaf ears.

PHARMACY IN SOUTH AFRICA

"Near perfect" conditions, but one snag

K. O. LYNNE

CONDITIONS in pharmacy generally in the Union of South Africa are as near perfect as any pharmacist could desire. Turnovers are high, prices are maintained and profits on sales are 33⅓ per cent. Dispensing averages 50 per cent. of takings, many pharmacies doing £10 worth a day in their dispensaries. There is no purchase tax and income tax is low. Pharmacists make from £2,000 to £3,000 each net per annum, paying 10 per cent. of that amount in income tax. There is plenty of good cheap labour, but rents are high. That is due to the fact that landlords are entitled to 15 per cent. net on outlay or investment of capital.

By reason of their later association, South African pharmacists were able to benefit by studying the various pharmaceutical governing bodies throughout the world before forming their own and they decided wisely. A Pharmacy Board at Pretoria examines and registers students and pharmacists, collects examination fees and retainers, and enforces strict regulations governing professional conduct. There its functions end.

The Pharmaceutical Society of South Africa is a separate body, with an additional subscription. It attends to the business side of pharmacy, issues a dispensing tariff (it is used universally throughout the Union and, incidentally, the code mark BISHOPSGATE is used to price prescriptions) and in fact works as does the National Pharmaceutical Union in this country. A journal of marked personal character is issued monthly.

There is no National Health Service, but many large companies have their own medical aid and sick funds. A year ago, with the higher cost of present-day prescribing, they were forced to suspend payment for members' drugs, which are now paid for by the patient at the time of dispensing, a receipt being given. If the total cost of drugs for the year comes to less than the member's subscription, then payment is made by the Fund at a later date.

That well-tried and proved drugs should be described as "dangerous" did not appeal to the South African pharmacists. Such drugs are known in the Union as habit-forming drugs. So, on the door of the poisons cupboard, instead of D.D.A. are the letters in red : H.F.D. Narcotics control is much more strict than in this country. Every grain and tablet must be accounted for. When making a lead and opium lotion, the pharmacist must enter in the register the amount of tinct. opii used, and the register is balanced every three months and inspected at least once a year, not by the police but by a Government official with a specialised knowledge of his subject.

How "Ethicals" are Dispensed

A dispensing fee of 1s. 3d. is charged on all "ethicals." Labels are completely removed and seldom is a product issued in its original package or bottle. Pricing is based on the retail value of smallest pack, plus the fee, even if a larger pack is in fact used. Here are examples taken from prescription books : Dexedrine, twenty-four for 5s. 6d.; Equanil, twenty-four for 15s.; Sonalgin, twenty-five for 4s. 6d.; Fersolate, 100 for 4s. 6d.; Largactil, fifty for 12s. 6d.; Multivite, sixty for 7s. 9d.; Chloromycetin capsules, twelve for 34s. 9d.; Terramycin capsules, sixteen for 70s.; Rauwiloid, fifty for 30s.; Codis, twenty for 3s. 9d.; Dramamine, six for 4s. 6d.; Drinamyl, twenty-five for 6s.; Achromycin and hydrocortisone eye ointment, gr. 60 for 24s.

For rapid pricing of prescriptions there exists a splendid list. The system is operated by a pharmacist for a yearly subscription. There is also a "blue book"—a loose-leaf file giving all "ethicals," "patents" and toilet goods. New leaves are issued every month giving price changes. Wholesalers carry full stocks, and provide a good delivery service with own vans both in town and in country districts. Orders are solicited by telephone and delivered the same day. The higher-class toilet and cosmetics, which in Britain are supplied only direct from maker, are stocked by those wholesalers, and may be drawn from them in single units as required—a much appreciated service.

A South African pharmacist may own several pharmacies but company pharmacy, with the general public holding the capital is not permitted by law, so there are no multiples. The name of an individual may not be registered as a company unless that individual is alive and conducting the company in person. That fact explains the different trading names in South Africa of British companies. For example, May & Baker, Ltd., overcame that difficulty by joining the two names to give Maybaker (Pty) Ltd. Boots Pure Drug Co., Ltd., were not so fortunate. Being unable to produce a Mr. Boots on the spot, they trade as B.P.D. (Pty), Ltd.

Good pharmacies rarely come on to the open market. It is the practice of the wholesale houses to offer a "bond" to managers of sound businesses on the death of the proprietor, with a stipulation that 75 per cent. of all purchases shall be bought from the wholesaler who makes the advance. Many pharmacists acquire businesses in that manner but must pay the interest on their bond for at least ten years before outright purchase.

The one snag in South Africa is the two-language enforcement. English is the business language, but the Nationalist political element seems to favour Afrikaans. At Durban or in Cape Town it would be possible to run a business on English alone, but in the Orange Free State or the Transvaal a full working knowledge of Afrikaans is essential. There is a great desire in South Africa for a closer relationship and deeper understanding between the descendants of the original Dutch settlers and the British who followed them. Knowledge and understanding bring tolerance and in that matter pharmacists can make their own small contribution by encouraging recently qualified South African pharmacists to spend a few years in England. They would be welcome visitors and plenty of work awaits them. They will return to their land of sunshine men of wider experience and understanding, lighter of heart, and heavier of pocket !

ECHOES OF THE PAST

MOLLIENT GLYSTERS

From *The Marrow of Chirurgery,* by James Cooke.

DE ILIACO DOLORE. *Cure.* For the first, give emollient glysters made of the decoction of *Althaea Malu. viol & c.* or only of common oyle, or the decoct of the intestines, and caul of a sheep, with honey butter and salt gemm; or a decoct. made of *rad. althaea, symphy. maj. Sem. lini. fænug. bace. laur. ol. aneth. pul. Arthr. vel Hier.* ℥j. purging may here be used, as *pul Arthrit.* ℥j. *in vino vel cerevisia* or *mercur. d.* Upon the belly apply Emol. This is excellent; Cows dung new made and gathered, apply it thrice a day; inwardly exhibited is a pound of the caule of a Ram dissolved, which is exceeding profitable; Woolfs dung is good.

STRUMAS, OR SCROPHULAS. These pils are good: ℞ *Mas. pil. coch.* ℥ij. *Hier. cum Agaric* ℥i. *Trochis. alband. Mirrh. veræ an.* ℈s, *ol. fænic. dulc. gut. j. cum syr. Stæchad.* q.s.f. *pil.* After which this, ℞ Butterbure, so many leaves as may be steeped in the following liquor, the powder of Woodlice a spoonfull, of the stone of a horse a spoonfull, boyle them in two quarts of old Ale, till a quart be consumed, after strain it, and put it into a bottle, and drink four spoonsfulls first and last.

HOSPITAL PHARMACY FORUM

ADMINISTRATOR AND PHARMACIST

IT is axiomatic that no complex organisation such as a hospital can be run successfully unless those working in it regard themselves as a team working together for a common end: in this case the relief and if possible the cure of sickness. It is always interesting, therefore, to hear the views of other members of the team, such as those put forward (p. 429) by Mr. Willan—adviser on hospital organisation to the World Health Organisation. Unfortunately Mr. Willan has thrown out a number of comments and some recommendations without much supporting argument in their favour. Many of them are hoary old topics that have been debated between pharmacists, administrators and supplies officers times without number. That they are presented as views derived from a study of pharmacies in many countries seems only to underline the difficulty that besets the lay administrator when he takes a too casual glance at a specialist's job. It offends the administrator's tidy mind that pharmaceutical supplies should be kept separately from the rest of the bulk supplies of the hospital. Wherever they are stored, space will still be required, and the argument that the pharmacy stores take up room that could be devoted to patients' areas does not tally with the facts as they are in the majority of British hospitals. The pharmacist's stores have certain peculiarities which Mr. Willan has not appreciated. First, they are governed by the poisons law, which requires that they must be kept in a separate department to whieh unauthorised persons do not have access. Apart from that question of security, close supervision of storage conditions is necessary to avoid deterioration and that cannot be made easier if the stores are remotely controlled and in the hands of a general storekeeper. Again, the pharmacist's store is a "working store" to which he needs frequent access, at all times of the day, unlike, say, the hardware or crockery store, from which issues can be limited to certain days in the week. It just would not work to remove them from the direct control of the pharmaeist and his staff.

Giving the Game Away

On the much debated question of ordering of supplies, Mr. Willan returns to an old argument, but gives the game away, for he accepts the specialist knowledge of the pharmacist and says that the administrator should not vary the pharmacist's order without first consulting him. It is difficult to envisage circumstances that would put the administrator in a position where he would need to question the pharmacist's order. On what grounds would he do so? Would he express an opinion as to the nature of the materials required, or their quality, or the amount? And if on any of these points, where would he get his information and in what respect would it be superior to that of the pharmacist? The argument that only the administrator can commit the hospital to expenditure is formally correct, but is it seriously suggested that the administrator could cheek up each order and balance it against the hospital's budget before letting it through? Authority and responsibilities have to be delegated in any organisation, and in this case to the pharmacist, who signs the order in two capacities—one as the pharmacist accepting professional responsibility for the quality of the drugs and the safe storage of poisons (that is necessary in law) and secondly as the authorised head of a department of the hospital accepting administrative responsibility. A properly organised hospital should be capable of providing satisfactory safeguards in the matter of budgeting and accounting. The pharmacist's records are open to audit, and in many hospitals he makes a monthly report on his expenditure to an appropriate committee. In that way the trend of expenditure can be followed and due representation made to the medical staff if necessary, with a view to the truest economy. That work is best done by having the pharmacist himself present when the committee meets. Conveyed at second hand by a layman who, in the nature of the case, can have only a vague knowledge of the drugs and their uses, such reports can be of little value and may even be misleading and contrary to the hospital's best interest. In those matters the administrator should regard the pharmacist as a colleague and not as a rival for his authority, and should give him the maximum opportunity to participate in the administrative deliberations of the hospital.

Handicapped from the Start

Many of Mr. Willan's comments on the way he has seen pharmaeies run are as much a reflection on the administrators' failure to understand the pharmacists' problems as *vice versa*. The untidiness of which he complains is usually due to two factors. First, it has been almost a tradition that hospital pharmacy departments are badly housed. The idea of the pharmacy as a "dispensary," where all that is needed is a tap and a sink for filling bottles, dies hard. In spite of much improvement in recent years, there are still too many pharmacies being run in overcrowded ex-lavatories and old lobbies. It is refreshing to know that St. John's, Newfoundland, can show a model of tidiness and organisation. Perhaps Mr. Willan would care to look at a few hospitals in this country where the authorities have at last awakened to the importance of providing adequate accommodation for the very varied functions of the pharmacy. Incidentally, cups and saucers are not a monopoly of the pharmacy department, nor is untidiness a peculiarity of pharmacists. A factor that Mr. Willan may have overlooked is that the ever-increasing demand for statistics, accounts, records and other documents made upon the pharmacist is rarely paralleled by the provision of the necessary clerical assistance to carry it out. There is here a great contrast between the pharmacy department and the administrator's offices, many of which provide excellent examples of the operation of Parkinson's law.

Mr. Willan puts forward the novel suggestion of a general all-purpose technician to take care of pharmacy, *x*-ray and laboratory work in the small hospitals of the 25–50 bed type. No doubt that problem arises more acutely in those countries with small communities in widely scattered townships. It is hardly likely that such hospitals would exist in isolation in Britain. They are usually part of a group organsation and draw their technical services from the main hospital of the group. It is usual in such groups to regard small hospitals as separate wards of the main hospital, and to send down pharmaceutical supplies for direct use in the wards by a daily or weekly transport, as may be convenient. An occasional visit by a pharmacist may be necessary for the purpose of inspecting the ward drug cupboards and to keep satisfactory liaison with the local staff. It is unrealistic to suppose that, because the quantity of the work is smaller, the professional training necessary to perform it may be reduced. The days of the doctor's gardener—chauffeur—technician doing the dispensing in the nursing home are, we hope, a fast-fading memory that nobody wishes to revive. Nevertheless, there is in Mr. Willan's notion of the multi-function officer something that could have advantages in certain circumstances. It is not a new thing for the pharmacist in small isolated hospitals to put his hand to a variety of tasks which do not normally come the way of his colleague in the larger hospitals. Many of the older generation of pharmacists were pioneers in radiology. Their knowledge of photography and physics was called into service long before radiographers became a professionally trained body. Still

today in many countries the pharmacist is also the clinical biochemist. In places where it is necessary to concentrate duties upon a smaller staff the pharmacist would have no great difficulty in taking over such functions, though it is unlikely that many such hospitals exist in Britain today.

With Mr. Willan's final paragraph most pharmacists will readily agree. Consultation and appreciation of each other's problems as well as each other's potentialities are absolutely vital if the best service is to be obtained. Perhaps pharmacists are not without some blame if they have tended to isolate themselves in their pharmacies and regard themselves as "other than" the rest of the staff. Better liaison can be effected in a number of ways. Regular meetings of the heads of departments to discuss the general work of the hospital have been successful in at least one major teaching hospital. The pharmacist by his broadly based scientific training can often help in many para-pharmaceutical matters, such as helping the engineer with problems concerning the softening of water or the steward or supplies officer on the quality of soaps.

One of the disappointing features of the small hospital from the pharmacist's point of view is that his services are not always used to the fullest extent. The administrators have too often taken too narrow a view of his functions, considering him only as a dispenser of medicines. That he is, and that is his primary function, but Mr. Willan and his administrative colleagues would do themselves more justice by seeking to enlarge his sphere of usefulness than by shoving him in a disused cellar and then complaining that he looks like a scullion.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

MR. H. P. CORRIGAN (president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on April 14.

Arising out of the minutes, MR. M. COSTELLO said he thought it only right that they should pass a vote of thanks to Imperial Chemical Industries, Ltd., for the hospitable manner in which they had looked after the representatives of the Council who had recently participated in a visit to the firm's research laboratories at Alderley Park, Ches. Mr. Costello said that, as leader of the team, he had nothing but praise for their hosts. The company had done everything possible to look after the visitors' comfort, and he felt the occasion should not be allowed to pass without expressing the thanks of the guests. MR. T. R. MILLER seconded and MR. J. P. KISSANE, associating himself with the remarks, described the trip as a "wonderful and very enlightening one." They could not have been better treated. MR. M. POWER said that Messrs. I.C.I. had certainly done everything possible to make the trip an enjoyable one. MR. M. F. BRODERICK joined in the tributes.. THE PRESIDENT said that the registrar (Mr. J. G. Coleman) had already written to Messrs. I.C.I. expressing the thanks of the Council for the hospitality they had extended to the visitors.

A letter regretting inability to attend was received from Mr. J. O'Donnell, Charlestown, co. Mayo (a member of the Council) and members present expressed appreciation at the manner in which Mr. O'Donnell had spent three days in Dublin recently in connection with Council business.

Thanks—and a Note of Regret

A letter was received from the Photographic Dealers' Association expressing the thanks of its Educational Committee to the Council for having made a room available at the Society's headquarters for the holding of the Association's annual examinations, and enclosing "a small subscription" to the Society's Benevolent Fund as a mark of appreciation.

"In view of the fact that so many pharmacists are going into the photographic business it is a great pity that more of them would not test their ability to sell photographs by entering for these examinations," the letter added.

The Council were informed of the latest developments in connection with the protest made at the previous meeting concerning an advertisement which had appeared in the daily Press from Allen & Hanburys, Ltd., manufacturing chemists, London, which had stipulated that a new product, an oral vaccine for hoose in cattle, could only be procured through veterinary surgeons. Members were informed of the outcome of a discussion that had taken place since last meeting between representatives of the Council and members of the company, and they expressed approval of the stand made on behalf of the Council. It was decided to await a further reply from the company.

A letter was read from the post-graduate study group pointing out that, at a recent meeting of the committee, a proposal had been adopted to hold an intensive study course for hospital and other interested pharmacists, similar to the one held in 1957, in September or thereabouts. The proposal suggested that an effort should be made to encourage the various organisations in pharmacy to hold general meetings, social functions, etc., and suggested that during that period manufacturing firms should be asked to hold their annual displays in Dublin to coincide with the holding of the course.

"In that way, pharmacists attending the course and the other various activities would be brought together, problems of interest could be discussed, and thereby the seed of what could become an important annual conference would be sown," the letter added. Stating that the committee invited any observations which the Council might have to offer regarding the proposal, the letter said it had been suggested, as a preliminary step, that the various organisations should be asked to send representatives to a meeting which the Committee would be pleased to convene, when the proposals could be discussed and a working committee formed. It was felt that the new body, when formed could also act as a co-ordinating body between the various interests in pharmacy.

The organisations which the committee suggested should attend the course were the Council of the Pharmaceutical Society of Ireland; the Irish Pharmaceutical and Medical Representatives' Association; the Association of Hospital and Public Pharmacists; the employees' organisation; the Irish Pharmaceutical Students' Association, and the Compounders' Union.

MR. D. J. KENNELLY said there had been a good deal of enthusiasm for those post-graduate lectures. The medical representatives' group were particularly anxious to avail themselves of them, and had intimated that they found the course helpful to them. The hospital pharmacists were also in touch with the study group and were very pleased with the courses. They had already profited by the courses in 1958 and were anxious that a further series of lectures should be arranged. Other members in the retail group down the country were also anxious that they should be allowed to take advantage of the facilities, and a postal course was being organised for them.

Post-graduate Enthusiasm

Mr. Kennelly added that the various groups were inclined to become so engrossed in their own work that there was a possibility there would be no cohesion, and for that reason it was felt that it would be a good idea if the groups could meet annually in social, scientific, and professional interests. It would be all for the betterment of pharmacy. The idea had come from the provinces. It was not intended, at the start, to have anything elaborate.

THE PRESIDENT, welcoming the suggestion, said that the

Council should give the proposal its blessing, and that was agreed. MR. MILLER said he thought it a good idea to bring the various groups together.

He added that the postal courses had been a tremendous success and the numbers availing themselves of them had surpassed all expectations. Mr. Boyd was busy trying to organise the courses. Stating that they had not expected anything like the numbers who had applied for the courses, MR. KENNELLY said that applications had come from about 250 members in all parts of Ireland, including the six counties; from England, and from as far away as Pakistan.

The Committee was working hard trying to get the lectures out, and it was decided, so as not to have a longer interval than about a fortnight between each lecture, not to send out the first papers until they had three lectures ready.

He would like to assure all applicants that they were trying to get the course under way with a minimum of delay. The first papers would be ready shortly, and after that the participants would get them every fortnight. A tremendous amount of work was involved in printing and manual work, and between 15,000 and 20,000 sheets of foolscap would be printed. He would like those interested to know that there was no suggestion of negligence on the part of the body in charge. They were being very methodical about the matter.

A "Memorable" Visit

A letter was read from the secretary of the Pharmaceutical Society of Northern Ireland stating that Dr. Harold Davis (chief pharmacist, Ministry of Health, Great Britain), had returned to London, and thanking the president of the Council for the kindness shown to Dr. Davis on his visit to Dublin. "He certainly enjoyed his visit to Dublin, which was a welcome break" the letter stated, adding that Dr. Davis hoped he would be able to repay the kindness shown to him when the opportunity presented itself.

A letter was also received from Dr. Davis expressing appreciation of the manner in which he had been received in Dublin and thanking the president and other members of the council for having made his trip to Dublin "a most memorable one."

Accounts, amounting to a total of £153 18s. 8d., were approved for payment.

It was unanimously agreed that the Licence certificates of the following be signed and sealed: James P. McCormack; John David Fennessay; Montgomery L. Martin; Lorcan Duke; and Miss Elizabeth Lavin.

The following changes of address were noted: Mrs. Kathleen Kiely, L.P.S.I., to Grange Cross, Ballyfermot; Mrs. Carmel Comerford, L.P.S.I., to 7 Braemor Road, Churchtown, Dublin; Mrs. K. Durnin, M.P.S.I., to Main Street, Dunleer; Mr. John R. Sherwood, M.P.S.I., to Kennedy's Pharmacy, Wexford; Mr. Joseph O'Rourke, L.P.S.I., to 92 West Street, Drogheda; and Mr. William Williams, R.D., to 75 Middle Abbey Street, Dublin.

The following were elected to membership: Miss Eileen T. Murphy, Mrs. Kathleen Durnin, Messrs. Thomas Kelly, Patrick O'Rahilly, Montgomery Martin, Edmond O'Sullivan, Patrick Nolan, and Patrick Singleton.

The following were nominated for membership: Messrs. Eamonn Foley, Crossabeg, co. Wexford; Louis Hyland (T. J. White & Co., Cootehill, co. Cavan); and Michael J. Burke, O'Sullivan's Pharmacy, Newcastle West.

It was agreed that the following names should be changed in the registers, marriage certificates having been submitted: Mrs. Kathleen Kiely (née Cronin), Dublin; Mrs. Carmel Comerford (née Maxwell), Dublin; and Mrs. Kathleen Durnin (née Masterson), Dunleer.

THE REGISTRAR reported on the deaths of Samuel Townley Smith, M.P.S.I.; James Joseph Fitzgibbon, L.P.S.I.; and James Rowland Guiler, L.P.S.I. At a meeting of the Benevolent Fund Committee held subsequently, the registrar reported that he had received a letter from Messrs. P. C. L. Halpenny & Son, solicitors, enclosing a cheque for £50 bequeathed to the Fund under the will of the late Mr. James Joseph Fitzgibbon, 4 Eden Park, Sandycove. The following members attended: Miss L. Cunniffe, Messrs. M. Costello (treasurer); G. C. O'Neill, T. R. Miller, P. A. Brady, T.D., T. B. O'Sullivan, M. L. Cashman, F. J. Robinson, M. F. Broderick, J. J. O'Regan, V. McElwee, D. J. Kennelly, J. Gleeson, C. J. Cremen, K. A. Banks, J. P. Kissane and M. Power.

Onward from Galen

A CURRENT CAUSERIE

ACCORDING to an annotation, "Condy's fluid in ulcerated surfaces," in the *Lancet*, one hundred years ago (1859. **i.** 8), "this fluid . . . is being extensively tried at the Middlesex Hospital in cases of burns, large ulcers, and suppurating surfaces arising from any cause, especially when the secretions are not only copious, but at the same time offensive." Incorrectly described in medical dictionaries as a physician, Henry Bollmann Condy was a manufacturing chemist who, on January 22, 1857, after two years of observation, "ushered to the public" what he called "my Patent Disinfecting Fluid." In a pamphlet "On the purification of water and air, and the use of the alkaline permanganates as purifying agents" (London, 1862), Condy mentions that for many years he had been in the habit of using the alkaline permanganates for the removal of organic impurities from certain liquid substances which, as a manufacturing chemist, he was engaged in making. "After satisfying myself that the action of those substances could with certainty be relied on for the detection and practical estimation of varying quantities of organic matter (in water), in the year 1856 I communicated my method to several of our leading chemists." Professor A. W. Hofmann, of the Royal College of Chemistry, and Robert Dundas Thomson, F.R.S., M.D., M.O.H., St. Marylebone, "verified my experiments and reported favourably on the advantages of my method." In 1858, "when the offensive state of the Thames gave rise to so much complaint and speculation, I repeatedly demonstrated the efficacy and simplicity of the permanganate tests before the representatives of the London press." He himself speaks of "Condy's fluid," which was recognised by the Government Department of Science and Art, and reproduces testimonials referring to "Condy's patent fluid" and "Condy's disinfecting fluid."

★

AN issue of our contemporary *The Ironmonger* earlier in the year included a letter from a correspondent in which he referred to the loss of trade that resulted when the local police enforced a parking ban outside his premises. He suggested that other traders similarly affected should submit an appeal for a substantial reduction in rates, adding "our rates were reduced £20 gross and £17 net per annum."

NEW FILMS

Growing Old

Vitamins, Ltd., Upper Mall, London, W.6. Black and white. Sound. 16-mm. Running time thirty-five minutes.

THE frequently neglected problems of old age and of growing old are handled in this film with insight and sympathy. Within the limitations imposed, a number of case histories are shown. The methods available either within the family or via the facilities of local authorities are advanced to show how it is possible to alleviate much of the silent suffering that too often occurs in the later years of life. The value in geriatrics of adequate vitamin therapy permits the tactful introduction of the sponsors' products, but that is by no means offensive in a film of this kind. Lay audiences as well as those professionally concerned with the subject are likely to find interest in the film.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

A Question of Priority

SIR,—With reference to a claim (see *C. & D.*, April 18, p. 420) that Fram "extended-action" deodorant is the only article of that type on the market which simultaneously attacks Gram-negative and Gram-positive bacteria, may we call the attention of your readers to the fact that we launched "Petal Dew" deodorant and anti-perspirant in 1957, and claimed, at that time, that it was the first product having those attributes by virtue of an amphoteric (cationic/nonionic) bactericidal balance.

R. DEMUTH, LTD.,
Farnham, Surrey

Commendation for a Candidate

SIR,—We the undersigned, on behalf of the Manchester, Salford and District Branch of the Pharmaceutical Society, and Manchester Pharmaceutical Association, feel proud once again to have the opportunity of supporting the candidature of Mr. Harry Steinman of Manchester. Mr. Steinman's record of pharmaceutical service, extending over so many years, has covered every aspect of pharmacy. Locally he has endeared himself to every member of the Branch. We owe him a tremendous debt of gratitude for his devotion to pharmacy. His whole life has been dedicated to service before self, and he stands supreme in the sphere of negotiation. He holds many offices of honour and distinction and is known throughout the country, wherever pharmacists meet, as a man proud to be a pharmacist. We recommend his candidature to every member of the Society and trust that he will be given the opportunity of serving pharmacy in the future as he has so well done in the past.

H. BURLINSON (*Branch Chairman*),
W. ROBSON (*Association President*),
A. E. THORPE (*Secretary*),
Manchester

Administration Problems of Hospital Pharmacy

SIR,—The article "Administrative Problems in Hospital Pharmacy" (*C. & D.*, April 18, p. 429) bristles with statements that illustrate how vast can be the gulf between the administrator and the pharmacist. May I just refer to one paragraph of Mr. Willan under the heading "Ordering of Supplies." It is stated that the administrator "then signs the order, not in the sense of approving what the pharmacist has requisitioned, but in his capacity to commit the hospital to the expenditure." Then let us suppose that the pharmacist sends his order for signature—complete presumably with the cost of each item appended—and the order includes, say, ointment to the value of £220 (in order to obtain the higher discount) estimated to be sufficient for two months. Does the administrator then refuse to order that item? Does he reduce the quantity ordered thus in the long run increasing the cost of the item? Or does he sign the order after all? No sir, my advice is let the ordering be the responsibility of the pharmacist. There are ways of keeping down costs without detriment to the patient, but for the administrator to sign the order is not one of them.

F. G. FLEMING,
Northampton

SIR, — There are many points on which I could cross swords with your contributor, but I will limit myself to one. Mr. Willan argues that the hospital administrator should sign orders for drugs "in his capacity to commit the hospital to the expenditure." He agrees that the order should not be varied without consulting the pharmacist, and also that the latter should choose the supplier and the nature and quantity of the items to be supplied. What possible purpose is served by that, and what kind of "alterations" does Mr. Willan envisage? Is he suggesting that the administrator can veto the purchase of a particularly expensive drug, or insist on the substitution of a less costly one? Do hospitals in which this system applies never over-spend their allocations because the administrator knows "what money is available for drugs"? I would contend that in every well administered hospital steps are taken to ensure that all senior officers are kept fully aware of the financial position, and that the pharmacist can then be relied upon to act in a responsible manner. Under such conditions no useful purpose whatsoever is served by insisting that the administrator should perform the purely mechanical task of appending his signature to a document which he has no power to reject or to amend in any material respect. I have no wish to deny the ultimate responsibility of the administrator to his governing body and admit that there may be a good case for requiring that he should have the last word in the case of supplies that may have to be reduced in quantity or quality during periods of financial stress (e.g., food and furniture). Even there I would not have thought it beyond the bounds of administrative ingenuity to devise an alternative to the time-wasting and pettifogging procedure of signing individual orders. Drugs are different, and even the Minister himself has so far been unable to exercise any administrative control over the amount spent on them. In hospital the man who can do most about it is the pharmacist, unless, of course, he is hamstrung at every turn because he has no authority to make a decision.

JOHN B. LLOYD,
Chief Pharmacist,
Manchester Royal Infirmary

SIR,—I cannot see what good purpose can be served by the publication of Mr. James A. Willan's views (*C. & D.*, April 18, p. 429). Since he has given them, may I comment on his attempt to keep professional grades in the hospital service "in their place"?

BULK STORES: There is, so far as is known, no evidence that "the general opinion is to keep drugs, dressings and related supplies in the general stores," but there are legal regulations, Ministerial recommendations and sad experiences—for example the "barium death" at Shrodells Hospital, Watford (*Pharm. J.*, April 22, 1955, p. 321) rendering such suggestions absurd. Storage of pharmaceutical and medical supplies requires knowledge of the materials concerned, not only as to the appropriate conditions of storage, but as to the grouping of the manifold items according to forms of administration and dosage. To know all that (and prove the knowledge), pharmaceutical qualifications are required, and no pharmacist can be expected to act as the storekeeper's "consultant," to waste time by supervising a "pharmacy section" of the general stores, and to requisition pharmaceutical supplies from the storekeeper. The attempt to spare the pharmacist some stocktaking must be considered a rather suspicious thoughtfulness, as no storekeeper could take stock of the variety of pharmaceutical supplies without expert help, and pricing the stocks falls to the pharmacist anyway.

FINANCIAL RESTRICTIONS: In no circumstances are administrators entitled to place financial restrictions on the amounts of drugs to be issued. Neither Medical Officers nor Chief Pharmacists worth their salt could possibly accept interference in such entirely professional matters. It is for the Chief Pharmacist to safeguard due economy, for which he must take the responsibility towards his employing authority. His expert knowledge—proved by qualifications that are not merely "an asset" but the statutory prerequisite for holding his post—entitles him to advise Medical Officers in respect of, for example, replacement of brands by bulk preparations, and to select, in consultation with Medical Officers, the remedial treatment that combines effectiveness with due economy. Equally it is for the Chief Pharmacist to prevent waste, misuse and hoarding.

PREPACKING: Pharmacists must be fully aware of the requirements of their own hospitals and would naturally arrange for prepacking without advice to speed up and simplify their work—especially in view of the current and notorious shortage of staff.

ORDERING OF SUPPLIES: There is no justification for a claim that "the administrator alone has the right to order." Legislation restricts the right of ordering and possessing (safekeeping) certain groups of drugs to members of the respective professions. The Linstead report, on which the Ministerial recommendation is based, confirms expressly the pharmacist's right and obligation to order and to store the materials for which he is responsible, and which he has to supply. So long as hospitals are in the position to carry

out their task, the money for the patient's treatment must be available. If difficulties were to arise the Management Committee would inform its medical and pharmaceutical staffs in order, so far as possible, to keep the drugs and dressings bill within certain limits. In appointing a Chief Pharmacist the employing authority authorises him to commit the hospital within the limits of his (or the Group Pharmacist's) responsibilities. When larger expenditure is involved (as in epidemics) it is usual for the Chief Pharmacist to obtain the finance subcommittee's approval, and the Administrator's signature would be a useless bureaucratic formality, for he would have to sign for matters beyond his knowledge. As a signature means a commitment, it is clearly for the Chief Pharmacist to sign the orders.

QUANTITIES ISSUED: No pharmacist would supply wards and other departments with excessive quantities, and it is common ground to limit ward supplies to a maximum of one week's requirements. Moreover, wards are expected to return to the pharmacy items no longer in use, and the Chief Pharmacist has, when inspecting ward medicine cupboards four times a year, to make sure that the requirements in that matter have been complied with.

UNTIDINESS: Pharmacists are certainly not lacking a sense of cleanliness and tidiness, but if they are compelled to "fill the gallon into the pint" in "cubbyholes," and if they have no porter or cleaner on the pharmacy staff, things are obviously getting to the point where patients are endangered. While it cannot be denied that here and there such a state of affairs persists in this country, such conditions might more frequently be observed in Malaya.

PLANNING THE DEPARTMENT: As, contrary to continental conditions, no stringent legal rules regulate the accommodation and the equipment of pharmacies in this country, and the only real expert, the pharmacist, often has to cope with interference by people who do not know the slightest thing about pharmaceutical requirements, the Guild of Public Pharmacists recently made available a scheme—based on the experience of colleagues—that would be applicable to every type of hospital pharmacy department. But there are plenty of modernised or new pharmacies to bear witness to the fact that pharmacists are capable of solving their own problems.

CENTRAL SYRINGE SERVICE: There is no evidence that in this country central departments under a pharmacist's supervision have been misused for storage of "unsterile supplies." Technicians of any kind are "medical auxiliaries," and not supposed to run any services without the appropriate professional supervision. The question of responsibility does not "depend on local situations and personalities involved," but on the teaching syllabus and qualifications. Pharmacists have to prove their competence by examinations in pharmaceutics, including microbiology.

DEAD STOCKS: No efficient Chief (Group) Pharmacist would work blindly in keeping stock, but would use a Cardex or similar system, showing clearly purchases and use, stocks and prices.

MEDICAL TECHNICIANS (auxiliaries): How many years would the training of such a "universal genius" as an "all-purpose" technician require, and would he be paid an administrative officer's salary? No one would be willing to undergo such training otherwise.

CONSULTATION: Pharmacists are always available for consultations and teaching.

C. J. RAWSKI-CONROY, M.Pharm., Ph.C.,
Leavesden, Herts

Free Gifts

SIR,—There has been much comment of late concerning the free gifts given with nationally advertised products. Whilst some of those inducements may be harmless to the trader, we feel the latest free gift of a toothbrush with two tubes of tooth-paste should not pass without criticism by those who sell tooth-brushes. Surely, to assist in giving away goods we sell cannot be good business from our point of view! Have the manufacturers considered that point of view? Next it will be free combs with hair preparations, and nail files with nail varnishes, face flannels with toilet soap, films with cameras, and so on.

G. V. SEANOR, *director*,
H. W. SELBY, LTD.,
Haywards Heath

Any Information ?

SIR,—I am attempting to piece together the history of J. C. & J. Field, Ltd., which has an unbroken record of trading back to 1581. Unfortunately, most of the records of this ancient company were destroyed during the 1939-45 war. If any readers can offer any information, I shall be most grateful.

J. A. AVERY,
J. C. & J. FIELD., LTD.,
162 New Bond Street,
London, W.1

DIABETIC TREATMENT IN THE FUTURE

Improvement of insulin solutions thought unlikely

LITTLE further improvement in injectable insulins could be expected in the near future, nor was it likely at the moment that an orally active insulin preparation could be developed—for, like all proteins, insulin was broken down by the enzymes of the saliva, stomach and intestines, said DR. F. A. ROBINSON, M.Sc., LL.B., F.R.I.C. (director of research, Allen & Hanburys, Ltd.) at a meeting of the Harrow Branch of the Pharmaceutical Society held at Uxbridge on March 17. The introduction of delay insulins such as protamine zinc insulin, which require to be injected only once in twenty-four hours, had been a marked advance, he said. Though still widely used, P.Z.I. had been partially replaced by the three insulin zinc suspensions—I.Z.S., I.Z.S. (amorphous), and I.Z.S. (crystalline). Those newer preparations contained approximately the same amount of zinc as P.Z.I., but did not contain protamine, and the extent of the delay produced depended partly on the shape and size of the particles of insulin in suspension, and partly on the type of diabetes. According to Dr. Hallas Moller, diabetics responded to insulin in three different ways. A type-A response was characterised by a sudden fall in blood sugar followed a few hours later by a rapid rise, a type-C response by a slow increase in blood sugar followed by a steady fall during the night, and a type-B response, which represented the ideal, by only slight fluctuations in blood sugar during the twenty-four hours. A type-A patient required insulin with the maximum delay effect, namely I.Z.S. (crystalline) and a type-C patient insulin with a minimum delay effect, namely I.Z.S. (amorphous). The vast majority of patients were well controlled with I.Z.S., which was a mixture of I.Z.S. (amorphous) and I.Z.S. (crystalline) in the ratio of 3:7.

Dr. Robinson then described the way in which the structure of insulin had been determined (see p. 460) by Dr. F. Sanger, who, for his brilliant work in that field had been awarded the Nobel prize for chemistry. The speaker suggested that the possibility of synthesising insulin, with its fifty-one constituent amino acids arranged in correct sequence, was remote. Nor did it seem possible that a simpler peptide would be effective in diabetes, since the evidence so far available indicated that the whole of the molecule was essential for activity. The treatment of diabetes had been changed considerably during the past two or three years by the introduction of the hypoglycæmic sulphonamides, though they had no effect in certain types of diabetes, being apparently effective only when the islet tissue was functioning to some extent. They were useless in cases where no insulin at all was being produced in the body. The most widely used was tolbutamide, but other sulphonamides were under investigation, as were substances of a different chemical nature.

Research with "Labelled" Insulin

The latter were of considerable scientific interest, since they appeared to act in a different way from sulphonamides, and a study of their behaviour might lead to an entirely different method of treatment. Dr. Robinson concluded his talk by referring to recent advances in knowledge resulting from the use of insulin labelled with radioactive iodine and from new methods of estimating insulin in blood and tissues. A considerable amount of effort was being devoted to finding how insulin acted and to the nature of the pre-diabetic state. That work had demonstrated a close link between diabetes and atherosclerosis and might have far reaching consequences in the therapy of diabetic conditions.

INFORMATION WANTED

The Editor would appreciate information about the following :

Rovocaine
Zymopan
Kixifix

STRUCTURE OF INSULIN MOLECULE

Dr. Sanger's Nobel lecture tells how it was elucidated

IN his Nobel lecture, given before the Swedish Academy in Stockholm in December 1958, MR. F. SANGER, Ph.D., F.R.S., described how the structure of the insulin molecule had come to be elucidated. In 1943 it was known that all proteins were built up from amino-acid residues bound together to form long polypeptide chains. By analytical procedures it was possible to say with reasonable accuracy how many residues were present in a given protein, but practically nothing was known about the relative order in which those residues were arranged in the molecules.

A Basis from Which to Start

Insulin had a somewhat simpler composition than most proteins, two of the commonly occurring amino acids (tryptophan and methionine) being absent and an accurate analysis available. Insulin was peculiar in having a high content of free α-amino groups, indicating that it was composed of relatively short polypeptide chains. Thus the number of chains could be determined from the number of the N-terminal residues. The nature of one of these N-terminal residues was in fact known, Jensen and Evans having shown that the phenylhydantoin of phenylalanine could be isolated from an acid hydrolysate of insulin that had been treated with phenyl *iso*cyanate. There was doubt about the molecular weight of insulin, and hence about the number of amino acid residues present.

To study the free amino groups, a general method of labelling them was worked out, the reagent used being 1 : 2 : 4-fluorodinitrobenzene (FDNB) which reacts with the free amino groups of a protein or peptide to form a DNP derivative. The DNP-protein was then subjected to hydrolysis with acid, splitting the peptide bonds in the chain, leaving the N-terminal residue in the form of its DNP-derivative. The DNP-amino acids, bright yellow substances, could be separated from the unsubstituted amino acids by extraction with ether. The derivatives could be estimated colorimetrically.

Three yellow DNP-derivatives were found in the hydrolysate of the DNP-insulin. One, not extracted into ether, was ε-DNP-lysine, formed by reaction of the FDNP with the free ε-amino group of lysine residues bound normally within the polypeptide chain. The others were identified as DNP-phenylalanine and DNP-glycine. Estimation showed that there were two residues of each and that suggested that insulin was composed of four polypeptide chains, two with phenylalanine and two with glycine end-groups.

It seemed probable that the chains of insulin were joined together by the disulphide bridges of cystine residues, so the attempt was made to separate the peptide chains by splitting the disulphide bridges (by oxidation with performic acid).

From the oxidised insulin two fractions could be separated by precipitation methods. One (fraction A) contained glycine and the other (fraction B) phenylalanine N-terminal residues. Fraction A was acidic and had a simpler composition than insulin. The six amino acids—lysine, arginine histidine, phenylalanine, threonine and proline—were absent from it and it thus had no basic amino acids, which were found only in fraction B. From a quantitative determination of the end groups it was concluded that fraction A contained about 20 residues per chain, four being cysteic acid. Fraction B had 30 residues, two being cysteic acid. It seemed likely that there were only one type of glycyl chain and one type of phenylalanyl chain, and that was confirmed by a study of the N-terminal sequences. It was concluded from the results that all the N-terminal phenylalanine residues of insulin were present in the sequence Phe.Val.Asp.Glu. That inference in turn suggested that, if there were two phenylalanyl chains, they were identical. Similar results were obtained with fraction A, and it was shown that the N-terminal glycine residues were present in the sequence GLY. ILEU. VAL. GLU. GLU.

Those results showed for the first time that the molecule was composed of only two types of chains.

A Technical Problem Solved

The main technical problem was fractionation of the complex mixtures resulting from partial hydrolysis of a protein. It was considered worth while to investigate the small peptides from an acid hydrolysate. It soon became clear that there would be more difficulties with fraction A although it was the shorter chain, but the work on fraction B progressed so favourably that it was virtually possible to deduce the sequence of its thirty residues.

Fraction B was subjected to partial hydrolysis with acid. The mixture was too complex for direct analysis by paper chromatography and it was necessary to carry out certain preliminary group separations. That was done by ionophoresis, ion-exchange chromatography and adsorption on charcoal. The simplified mixtures were fractionated by chromotography.

About forty-five peptides were identified in various fractions of the partial acid hydrolysate, and the following five sequences were deduced as being present in the phenylalanine chain :—

1. Phe.Val.Asp.Glu.His.Leu.$CySO_3H$.Gly (N-terminal sequence)
2. Gly.Glu.Arg.Gly
3. Thr.Pro.Lys.Ala
4. Tyr.Leu.Val.$CySO_3H$.Gly
5. Ser.His.Leu.Val.Glu.Ala

The five sequences contained all but four of the amino-acid residues of fraction B. It was necessary to use a method of hydrolysis that would show a different specificity from concentrated acid, and success came with the use of proteolytic enzymes.

Essentially similar methods were used to determine the sequence of fraction A. Determination of its structure was more difficult. The fraction contains the sequence $CySO_3H.CySO_3H$, and that gave rise to a number of water-soluble peptides that would not fractionate easily by paper chromatography. Paper ionophoresis provided the answer. The method was found useful for the separation and identification of cysteic acid peptides, and the sequence of fraction A was found to be :—

Gly.Ileu.Val.Glu.Glu.$CySO_3H.CySO_3H$.-Ala.Ser.Val.$CySO_3H$.Ser.Leu.Tyr.Glu.-Leu.Glu.Asp.Tyr.$CySO_3H$.-Asp.

A protein hydrolysed with strong acid gives rise to a certain amount of ammonia (present in the form of amide groups on some of the aspartic and glutamic acid residues). It was necessary to determine the position of those groups, and that was done by studying the ionophoretic rates and amide contents of peptides derived from enzymic hydrolysates.

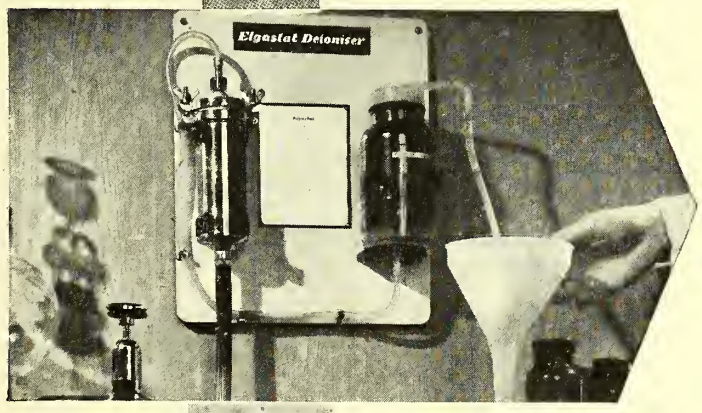
With the structures of the two chains of insulin determined, the only remaining problem was to find how the disulphide bridges were arranged.

It was possible to find out how the various sequences were arranged and to deduce the complete sequence of the phenylalanyl chain :—

Phe.Val.Asp.Glu.His.Leu.$CySO_3H$.Gly.-Ser.His.Leu.Val.Glu.Ala.Leu.Tyr.Leu.-Val.$CySO_3H$.Glv.Glu.Arg.Gly.Phe.Phe.-Tyr.Thr.Pro.Lys.Ala.

About the time of the work it was shown by others that the molecular weight of insulin was of the order of 6,000, so that it consisted of two chains containing three disulphide bridges, and not of four chains as originally thought. The fact that fraction A contained four cysteic aeid residues, whereas fraction B had only two, indicated that two bridges must connect the two chains together and one must form an intrachain bridge. To determine the distribution of the disulphide bridges it was necessary to isolate, from unoxidised insulin, peptides containing intact cystine residues, and to oxidise them to give cysteic acid peptides that could be recognised. Difficulty arose in that, during hydrolysis, a reaction caused random rearrangement of the disulphide bonds, so that cystine peptides were isolated that were not actual fragments of the original insulin. The interchange reaction could be demonstrated and studied. It was found that there were two types. One took place in neutral and alkaline solution and was catalysed by -SH compounds. The presence of a disulphide bridge between the two half-cystine residues, nearest the C-terminal ends of the two chains, was thus established, but it was not possible to determine the positions of the other two disulphide bonds using enzymic hydrolysis. It was therefore necessary to re-investigate the possibility of using acid hydrolysis. When insulin was treated with concentrated acid to which a small amount of thioglycollic acid was added cystine peptides could be isolated which were true breakdown products and from which the distribution of the remaining two disulphide bonds could be deduced.





At the turn of a tap

Purified Water B.P.

where you want it— when you want it.

The ELGASTAT Pharmacist model provides purified water B.P. at tap speed and is designed specifically for the Retail Pharmacy. It uses no power, requires neither maintenance nor regeneration. The deionised effluent complies with British Pharmacopœia and makes Winchesters or Carboys a thing of the past.

ELGASTAT DEIONISERS ARE USED ALMOST UNIVERSALLY BY PHARMACEUTICAL LABORATORIES INCLUDING: ASPRO-NICHOLAS LTD., BEECHAM PHARMACEUTICALS LTD., BURROUGHS WELLCOME & CO., EVANS MEDICAL SUPPLIES LTD., GLAXO LABORATORIES LTD., I.C.I. LTD., VITAMINS LTD.

The Pharmacist model costs £19.10.

In most areas the effluent is much cheaper than distilled water.

If it's ion exchange ask ELGA first

Publication CD/1 includes a paper "Deionisation" and gives effluent cost for your area. Please ask for a copy.

DEIONISATION (ELGA) LIMITED
Railway Place, London, S.W.19
LIBerty 6276

P2823

Delicious

Multi-Vitamin

supplement

for all ages



Vitavel Syrup is readily accepted by patients of all ages. This liquid vitamin supplement is delicious—a careful blend of true orange juice and liquid glucose with vitamins A, B_1, C and D.

One fluid ounce contains at time of manufacture:—

VITAMIN A 20,000 i.u.
VITAMIN B_1 4 mg.
VITAMIN D 3,000 i.u.
VITAMIN C 80 mg.
LIQUID GLUCOSE B.P. 25% W/V

Vitavel Syrup

Packs	Retail	Chemists
6 fl. ozs.	3/9	2/6
40 fl. ozs.	24/-	16/-

BEMAX stabilized wheat germ is the richest known natural vitamin-protein-mineral supplement. It offers easily digested nutritional support for patients of all ages.

PREGNAVITE during pregnancy. A comprehensive vitamin-mineral supplement.

Packs	Retail	Chemists
60	4/1	33/4 per doz.
120	7/4	59/10 „ „
1,000	48/-	32/9 each

For full details of prices and trade terms write for latest copy of the Vitamins Ltd. Price List.

VITAMINS LIMITED

(DEPT. A.A.2.)
UPPER MALL,
LONDON, W.6.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 22: Business in the CRUDE DRUGS market during the week was restricted to MENTHOL and a few other commodities in short supply. Brazilian menthol was sixpence per lb. dearer at 38s. per lb. in bond, while a little Chinese was offering at 62s. 6d.

Frosts in the Sudan were given as a reason for a scramble for available supplies of ACACIA which resulted in spot and forward prices rising 12s. 6d. per cwt. during the week. Forward rates for Cochin GINGER were higher, commanding a 10s. per cwt. premium over spot. The first offers of 1959 CASCARA peel indicated the same c.i.f. price as for the current 1958 peel. PERU BALSAM was threepence per lb. down, and Chinese CAMPHOR powder sixpence below the previous quotation. The forward rates for CINNAMON QUILLS and for TURMERIC were slightly easier. Offers of SENEGA for prompt shipment were resumed. There was no change in the ERGOT situation, a price of 7s. 3d. per lb., c.i.f., being quoted for Portuguese, though it was thought unlikely that supplies would materialise if orders were placed at that figure. VANILLIN was reduced by 2s. per lb. SENNA shipments from the Port of Tuticorin during March were as follows:—

	U.K.	U.S.	EUROPE
SENNA	Tons	Tons	Tons
LEAVES	12	36	48
PODS	3	2	23

The firm tone of PEPPERMINT was maintained, with China still not offering and Brazilian ninepence per lb. up on the previous week. Elsewhere among ESSENTIAL OILS, PETITGRAIN was threepence per lb. dearer for shipment, whilst on the spot CASSIA rose by threepence and ANISE fell by three half-pence per lb.

THE Board of Trade is considering an application for the imposition of anti-dumping duties on TARTARIC ACID imported from Italy, Spain and Western Germany. Representations in connection with the application should be addressed in writing not later than May 8 to the Board of Trade, Tariff Division, Horse Guards Avenue, London, S.W.1.

Pharmaceutical Chemicals

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C., 1949, are quoted at 4s. 5d. per lb.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE B.P., are 7s. 6d. per lb. for 1–10 cwt. and SODIUM TARTRATE, B.P., 12s. 6d.

ASPIRIN. — 5-cwt. lots are 4s. 9d. per lb.; 1-cwt., 4s. 11d. The CALCIUM SALT is 12s. 6d. per lb.

ATROPINE.—Rates for 16-oz. (500-gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	39 0	1375 0
HYDROCHLORIDE ..	36 0	1269 0
METHONITRATE	39 0	1375 0
METHYLBROMIDE ..	38 6	1357 0
SULPHATE	34 0	1198 6

BARIUM SULPHATE. — 250-kilo lots of B.P. (*x*-ray) are now 3s. 3½d. per kilo.

BENTONITE.—Offers of B.P. material are about £70 per ton as to quantity.

BORAX. — B.P. grade for quantities of 1 ton and upwards; Granular, £55; crystals, £57 10s.; powder, £58 10s.; extra fine powder, £59 10s. per ton. Supplied in hessian sacks. Prices of commercial range from £45 to £50 10s. per ton, as to type and packing. Dehydrated borax is £68 per ton in paper-lined hessian bags or £67 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt., 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID. — Prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows:— Granular, £89 10s.; crystals, £96 10s.; powder, £94; extra-fine powder, £96 per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical grades range from £75 10s. to £85 per ton according to type and packing.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 3s. 6d. per lb.; 1 cwt. to 2 cwt., 3s. 7d.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CARMINE. — Price is 75s. per lb. for 1-cwt. lots.

CHINIOPHON.—B.P. 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 4½d. per lb.; 56-lb., 3s. 6d. In drums, prices are 3s. 2d. and 3s. 2½d. per lb. respectively.

DEXTROSE. — In bulk, MONOHYDRATE, £76 per ton delivered; ANHYDROUS, £115.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powders. 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 5s. 6d.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

LACTATES. — CALCIUM, B.P., is 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

MERCURY DERIVATIVES.—Quotations (per kilo) for less than 50-kilo lots are now as follows:—AMMONIATED, B.P., lump or powder, 58s. 9d.; PERCHLORIDE, B.P., powder, 50s. 9d. and lump, 51s. 9d.; SUBCHLORIDE (calomel), B.P., 58s., OXIDES, yellow, B.P., 61s. 6d.; red B.P.C., 1949, 62s. 6d.

METHOIN.—B.P. is about 120s. per lb.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.

OLEIC ACID. — B.P. grade £170 10s. per ton (£174 10s. single drum lots); 1 gall. tins 21s. per gall.

PAPAVERINE. — Synthetic HYDROCHLORIDE is 295s. per kilo, minimum 1-kilo lots.

SULPHOCARBOLATES.—SODIUM PHENOSULPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

ZINC CARBONATE.—In 1-cwt. lots the price is 1s. 9½d. per lb.

ZINC CHLORIDE. — B.P.C. cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is £155 per ton.

ACETATES. — Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s., and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £126 per ton, delivered U.K. in returnable drums; 1-ton lots, £128.

ACETONE. — One-ton lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 9s. 3½d. per gall. for one 50-gall. barrel and pure, 6s. 3½d. per gall. for similar lots.

N-BUTYL ALCOHOL. — 1-ton to 5-ton lots are quoted at £159 per ton and one-drum lots are £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1–2-carboy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots is £84; 1 ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots (in one delivery) are now £165 per ton.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64–71·9° C., £22 5s. to £23; WHIZZED, c.p. 72–77·5° C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77·5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES.—Prices (per ton) for drum lots are as follows:—DIBUTYL, £216; DIISOBUTYL, £202; DIETHYL, £193 10s.; DIMETHYL, £185.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows:—ALUMINIUM (all grades), 258s. 6d. per cwt., CALCIUM (precipitated), 248s. 6d.; LEAD (30 per cent.), 228s. 6d.; MAGNESIUM (standard), 261s. and (superfine), 307s.; ZINC, 261s. to 291s. as to grade.

TITANIUM DIOXIDE.—In 5-ton spot lots anatase is from £162 5s. per ton; rutile is £178 5s. for surface-coated and £170 for non-surface-coated.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

ARECA. — Selected round nuts 125s. per cwt., spot.

BALSAMS. — Quotations per lb. are:— CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: Scarce at origin. Spot, 10s. in bond. TOLU (genuine as imported): 17s. 6d., spot and 16s., c.i.f.; B.P., 15s.

BELLADONNA. — Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BUCHU.—Spot rounds are 5s. 9d. per lb. and new-crop for shipment, 5s. 2d., c.i.f.

CAMPHOR. — Chinese POWDER, B.P., is from 3s. 9d. per lb., duty paid. TABLETS, ¼-oz., are 5s. 6d. in bond.

CARDAMOMS. — Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 13s. 9d., c.i.f. Seeds, spot, 22s., shipment, 19s. 6d., c.i.f.

CASCARA. — Spot 1958 peel, 225s. per cwt., shipment, 200s., c.i.f.

CASSIA LIGNEA.—Spot, in bond, whole 265s. and shipment, 255s., c.i.f.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CINNAMON.—Ceylon for April–May shipment (c.i.f.) per lb.; OOOO, 6s. 5¼d.; OOO, 6s. 1¾d.; OO, 6s.; seconds, 4s. 6¼d.; featherings 1s. 11¾d.; quillings, 3s. 9d.; chips, 1s. 0½d.

COCHINEAL.—Silver-grey Peruvian on the spot from 5s. 6d. to 6s. 3d. as to quantity; Canary Isles black-brilliant, about 17s. 9d.; silver-grey, 15s., spot.

COLOCYNTH PULP.—Spot, 2s. 9d. per lb.; shipment, 215s. cwt., c.i.f.

DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ERGOT. — Portuguese is cleared on the spot; shipment nominally 7s. 3d., c.i.f., per lb. Eastern European also not offering.

GINGER. — African, 120s. per cwt. spot and 107s. 6d. (new crop), c.i.f. Jamaican No. 3, spot, 247s. 6d. and shipment 230s., c.i.f. Cochin spot quoted 120s.; shipment 142s. 6d., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 155s. per cwt. on the spot; April–May shipment, 148s., c.i.f.

HONEY. — Australian light amber is 110s. to 115s. and medium amber 100s. to 105s. Argentine, 100s. to 105s.; Jamaican 120s. to 125s.; New Zealand clover, 170s., nominal; all per cwt. on the spot.

HYDRASTIS.—Spot 28s. per lb.

IPECACUANHA. — Shipment (c.i.f.) Matto Grosso, 51s. per lb.; Colombian, 50s.; Nicaraguan, 67s.; Costa Rican, 75s. Spot Matto Grosso, 55s.

KARAYA. — No. 1 gum on the spot is quoted at 260s. per cwt., No. 2 at 185s.

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to 5½d. spot and 4d., c.i.f.

KRAMERIA.—Root is quoted at 90s. per cwt.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt. Spray dried extract, 3s. per lb.

LOBELIA HERB. — Spot offers of American are 3s. 9d. per lb. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot 3s. 5d.

MENTHOL. — Chinese is 62s. 6d. per lb. in bond; Brazilian, spot, 38s. 6d., in bond; April–May shipment, 37s. 9d., c.i.f.; Formosan, 43s. 6d., c.i.f.; and Japanese, 48s., c.i.f.

MERCURY. — Price per flask (76-lb.) is £78 on the spot.

NUTMEGS. — West Indian 80's 17s. per lb., spot; sound unassorted, 12s. 6d.; defectives, 8s. 9d.

ORANGE PEEL. — Scarce Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 8d.

PAPAIN.—East African, 19s. per lb., c.i.f., for grade one, spot, 20s. Belgian Congo and Ceylon No. 1 white, 16s. 6d., c.i.f.

PEPPER.—White Sarawak spot, 2s. 11½d. per lb., April shipment, 2s. 11d., c.i.f.; Black Sarawak, spot, 1s. 10½d., April shipment, 1s. 8¼d., c.i.f. Black Malabar new-crop for April–May shipment, 212s. 6d., c.i.f., quoted, spot, 225s.

PIMENTO.—Spot value is 550s. to 560s. per cwt.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

QUASSIA.—Spot offers are 50s. per cwt., ex wharf.

QUILLAIA.—Spot offers of whole bark at 125s. per cwt.; cut, 160s. Whole for shipment, 95s., c.i.f.

RHUBARB. — Chinese small rounds 6s. 4½d. to 6s. 9d. on the spot.

SAFFRON. — Spanish is quoted at 200s. per lb.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9d. per lb. Shipment, 2s. 4d., c.i.f.

SEEDS.—(Per cwt.). ANISE. — Spanish, 162s. 6d.; Turkish, 140s., both duty paid. CARAWAY. — Dutch, 107s. 6d., duty paid. CELERY.—Indian is quiet at 165s. on spot; shipment, new crop, 135s., c.i.f. CORIANDER.—Moroccan, 50s.; Rumanian, 52s. 6d., both duty paid. Morocco new crop, June–July shipment, 42s. 6d., c.i.f. CUMIN.—Iranian, 255s., in bond; Cyprian for shipment, 180s., c.i.f. DILL.—Indian spot, 77s. 6d.; shipment firm at 64s. 6d., c.i.f. FENNEL.—Chinese, 140s., duty paid. Indian, 145s. FENUGREEK. — Moroccan, 42s. 6d., duty paid. MUSTARD.—English, 125s.; Dutch, 105s., c.i.f.

SENEGA. — Spot offered at 14s. 9d. per lb.; shipment, 14s., c.i.f.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 10d. PODS: Manufacturing (f.a.q.), 1s. 3½d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

SHELLAC.—F.O.T.N. 177s. 6d. per cwt., F.O. No. 1, 207s. 6d.; fine orange, 215s. to 267s. 6d.

SLIPPERY ELM. — Grinding quality bark is 2s. 7d. per lb.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0·5 per cent. alkaloid, 94s., c.i.f.

STYRAX. — Spot, 27s. per lb. shipment, 23s. 9d., c.i.f.

TONQUIN BEANS.—Para on the spot are offered at 8s. 8d. per lb. Angostura, 11s.

TRAGACANTH. — No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC. — Madras finger is 85s. on the spot; new crop for April–May shipment, 80s., c.i.f.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

VANILLIN. — Rates (per lb.) are now:— 5-cwt. lots, 23s. 3d.; 1 cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 480s.; shipment, 465s., c.i.f. Abyssinian, spot 450s. in bond; shipment, 410s., c.i.f. Benguela spot, nominal; shipment, 405s., c.i.f. CANDELILLA.—Spot 460s. CARNAUBA.—Fatty grey spot, 580s.; for shipment, 580s., c.i.f. Prime yellow, spot, 910s.; shipment, 885s., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 8s. 1½d. per lb., spot; shipment, 8s., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

CADE.—Spanish is 3s. 6d. per lb. for drum lots.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CARAWAY.—Imported oil is 27s. 6d. per lb.

CASSIA.—Spot is 13s. 3d. per lb.; shipment, 13s. 3d., c.i.f.

CASTOR.—Home-produced B.P. oil on the spot is £130 per ton naked ex mill (2-ton lots).

CLOVE.—Madagascar leaf spot and forward prices are nominal. Rectified 87–88 per cent., 9s. 6d. Distilled bud oil, English, B.P., 30s. to 31s.

CORIANDER. — B.P. oil is quoted from 67s. 6d. per lb.

CUBEB.—Small spot supplies of imported are 65s. per lb.; English, 90s.

CUMIN.—Imported oil is now about 90s. per lb.

FENNEL.—Spanish sweet on the spot is quoted at 9s. 6d. per lb.

GERANIUM. — Bourbon is 132s. 6d. per lb. on the spot and 130s. 6d., c.i.f.

GINGER.—English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 72s. 6d., duty paid.

LAVANDIN.—Spot is from 10s. to 12s. 6d. per lb. for original drums.

LAVENDER.—French oil, 40–42 per cent. is 42s. per lb.

LAVENDER SPIKE.—Spanish is at 13s. 6d. to 17s. 6d. per lb. for original drums.

NUTMEG.—Imported B.P. oil is from 70s. to 92s. 6d. per lb. English-distilled, 95s. to 97s. 6d. as to quantity.

PATCHOULI. — Penang is 30s., duty paid and 29s., c.i.f., per lb. nominal.

PEPPERMINT.—*Arvensis*: Chinese is 27s. per lb., spot nominal; shipment not offering. Brazilian advanced to 11s. 9d., spot and shipment, 11s. 6d., c.i.f. Formosan, 16s. 6d., spot; April–May shipment, 16s., c.i.f. *Piperita:* Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

PETITGRAIN.—Paraguay 18s. 6d. per lb., spot; shipment, 17s. 9d., c.i.f.

PIMENTO. — English-distilled berry is 167s. 6d. per lb.; imported, 77s. 6d. Rectified leaf, 27s. 6d. per lb. for small lots.

ROSEMARY.—Spanish is 8s. 6d. per lb. on the spot for best quality.

SAGE.—Spanish is 9s. per lb.; Dalmatian, 37s. 6d.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. per lb., spot. Chinese, 28s., in bond.

VETIVERT.—Spot is currently at about 80s. per lb.

YLANG YLANG. — Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, APRIL 21: There was a reasonably good domestic demand passing for MENTHOL and there was fair inquiry for GUM ACACIA, IPECACUANHA, SENNA LEAVES, SARSAPARILLA and ERGOT. In ESSENTIAL OILS the possibility of a prolonged shortage of CLOVE based on reports coming out of Madagascar have brought out some speculative interest in the article. Higher replacement costs are beginning to influence spot prices of PETITGRAIN. PATCHOULI displayed a firmer tone. GERANIUM OILS are scarce and high at recently advanced prices.

WORLD TRADE

Kenya's Pyrethrum Exports. — Figures recently published for the first nine months of 1958 show Kenya's total exports to have reached £20·5 millions—an increase of £1·2 millions compared with the same period in the year before. No less than 47·8 per cent. of that increase, or £574,000, was accounted for by the increase in the export of pyrethrum over that period.

U.S. Pharmaceutical Industry. — Dramatic growth for the United States pharmaceutical industry was forecast at Boca Raton, Florida, on April 3, by Mr. William B. Graham, the new chairman of the board of directors of the Pharmaceutical Manufacturers Association. He predicted that overall industry sales would increase by 9 per cent. this year and would double in the next ten years. That would increase sales of United States manufacturers to about $4,500 millions by 1969. Mr. Graham said the greater part of that increase would come from new markets.

Common Market Pharmaceutical Industry.—Delegates of the pharmaceutical industries of Italy, West Germany, Belgium, Holland and France at a meeting in Milan on March 25, approved the creation of a consultative group covering the pharmaceutical industries in the European Common Market countries. They also decided to set up five working groups for the study of problems inherent in the industry. The first meeting of the group's presidential committee was due to be held in Brussels on April 23 while another full delegate meeting is to take place in Paris on June 22 and 23.

West German Trade in Chemicals.— The West German chemical industry exported goods worth D.M. 4,620 millions in 1958, an increase of 2·5 per cent. over 1957, according to the German Association of the Chemical Industry. Exports amounted to nearly 26 per cent. of the industry's total production of D.M. 18,050 millions. Considering the increase in international competition and in trading and payments difficulties, the result could be regarded as satisfactory, the Association said in its report. The branches of the industry most successful in the export markets were synthetic materials, pharmaceutical products, fertilisers and photochemical goods. Exports to Europe represented 61·3 per cent. of the total, including 22·8 per cent. or D.M. 1,054 millions to the five other Common Market countries. Holland was the best customer and took goods worth D.M. 311 millions. Sales to the Eastern Bloc fell slightly to 3·6 per cent. of the total. Exports to North and Central America, at D.M. 417 millions, amounted to 9 per cent. of the total, a slight fall against the previous year. The United States took D.M. 226 millions worth (or D.M. 20 millions less than in 1957). Exports to South America, at D.M. 312 millions, fell by more than D.M. 14 millions against 1957, although there were increased sales to Argentina. West German imports of chemical goods from the U.S. rose by D.M. 62 millions to D.M. 503 millions during the year.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 1

For electrically operated appliances for removing and applying facial toilet preparations (9)

FACE-MASTER, B779,162, by Antoine François Regis Peyron, Paris, France.

For photographic and cinematographic apparatus and instruments and parts and fittings; photographic and cinematographic transparencies, photographic slides and slide frames, etc. (9)

Device with word VISIMPACT, 780,547, Visual Impact Productions, Ltd., London, S.W.4.

For photographic, cinematographic and optical apparatus and instruments; flash guns, exposure meters and viewfinders, all for photographic purposes; cinematographic and photographic projection apparatus and instruments and automatic slide changing apparatus, projection screens and slides for use therewith; cinematographic film joining appliances; lenses; photographic slide and photographic printing frames; lantern slides and slides for microscopes, etc. (9)

ARGUS, 781,412, by Sylvania Electric Products, Inc., New York, U.S.A.

For scientific and electrical apparatus and instruments; and photographic, cinematographic and optical apparatus and instruments (9) *and surgical and medical instruments and apparatus; and feeding bottles made of plastics* (10)

KINGSLAND, B784,412–13, by Benjamin Marsh, London, E.8.

For all goods (10)

CHIRON, 781,476, by Down Bros. and Mayer & Phelps, Ltd., Mitcham, Surrey.

For paper handkerchiefs and non-medicated paper facial tissues (16)

PANKIES, 784,793, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

From the "Trade Marks Journal," April 8

For soaps, perfumes, non-medicated toilet preparations, essential oils, cosmetics and preparations for the hair (3)

VYNAKRIN, 783,757, by Welkleen Products, London, N.W.2.

For chemically impregnated pads, lotions and creams, all for use in hair waving (3)

BRUSHWAVE, B784,773, by Superma, Ltd., London, W.1.

For all goods (3)

RAMAGE, 785,380, by Bourjois, Ltd., Croydon, Surrey.

For pharmaceutical preparations in tablet form containing ion-exchange resins (5)

TYMEXTEN, 774,322, by Clinical Products, Ltd., Richmond, Surrey.

For surgical ligatures, medical and surgical plasters and material prepared for bandaging (5)

DERMALON, 777,093, by American Cyanamid Co., New York, U.S.A.

For pharmaceutical preparations; and infants', invalids' and dietetic foods; all containing lactobacilli (5)

LACTOPHIL, 778,713, by Howard Lloyd & Co., Ltd., London, S.W.1.

For all goods (5)

FUGICIN, 780,316, by Glaxo Laboratories, Ltd., Greenford, Middlesex. AMANTEX, 784,401, by C. L. Bencard, Ltd., London, N.W.10. MORNIDINE, 785,390, by G. D. Searle & Co., Skokie, Illinois, U.S.A.

For pharmaceutical substances for human and veterinary use; and sanitary substances and disinfectants (5)

COTHANIL, 781,547, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical preparations in the form of lozenges for the treatment of disorders of the stomach (5)

CAVED-S, 781,245, by Cedona Haarlemmer Pharmaceutische Fabrik, Haarlem, Holland.

For pharmaceutical, veterinary and sanitary preparations and substances (5)

ILOSONE, 781,780, by Eli Lilly & Co., Indianapolis, Indiana, U.S.A.

For pharmaceutical preparations for human and veterinary use (5)

COSIDOL, 782,161, by Imperial Chemical Industries, Ltd., London, S.W.1.

For deodorants; and pharmaceutical and sanitary substances (5)

HI AND DRI, 785,031, by Revlon, Inc., New York, U.S.A.

For medical and surgical bandages (5)

LASTOYARN, 785,061, by John Heathcoat & Co., Ltd., Devon.

For insecticides, fungicides and weed-killing preparations (5)

ZEBENIDE, 785,395, by Plant Protection, Ltd., Yalding, Kent.

For photographic and cinematographic films prepared for exhibition, photographic tran parencies; photographic and cinematographic projection apparatus; apparatus and appliances for viewing photographic films and transparencies; and parts and fittings (9)

FLIXIES, 779,669, by Gordon & Gotch, Ltd., London, E.C.4.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 27

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, Royal Institution, 21 Albemarle Street, London, W.1, at 7 p.m. Dr. R. H. Marriott on "Cosmetics."

LONDON UNIVERSITY, Bedford College, Regent's Park, London, N.W.1, at 5.30 p.m. Professor J. Hämmerling (Max-Planck-Institut, Wilhelmshaven) on "Some Problems of Cell Physiology with Special Reference to Studies on Acetabularia." Also on April 28 and 29.

Tuesday, April 28

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Black Boy hotel, Long Row, at 7.30 p.m. Annual meeting.

ROYAL SOCIETY OF ARTS, 18 Adam Street, London, W.C.2, at 10 a.m. Exhibition of winning and commended designs for 1958 Industrial Art Bursaries Competition. Exhibition closes May 15.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, at 8 p.m. Annual meeting.

SOCIETY FOR ANALYTICAL CHEMISTRY, physical methods group, Brunel College of Technology, Woodlands Avenue, Acton, London, W.3, at 6.30 p.m. Demonstration of laboratory-made equipment.

Wednesday, April 29

BIRMINGHAM PHARMACEUTICAL ASSOCIATION AND BRANCH, PHARMACEUTICAL SOCIETY, New Billesley hotel, Kings Heath, Cricket dance.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Ormskirk Golf Club, Griffith-Hughes prize (single ball Stapleford).

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7.45 p.m. Council candidates' meeting.

Thursday, April 30

LONDON CHEMISTS' GOLFING SOCIETY, Royal Mid-Surrey Golf Club (Richmond 4353).

LONDON UNIVERSITY, King's College, Strand, London, W.C.2, at 5.30 p.m. Professor W. Modell (Cornell University) on "Problems in the Evaluation of Drugs in Man."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m. Annual meeting.

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY AND NATIONAL PHARMACEUTICAL UNION, Mermaid hotel, Yeovil, at 3 p.m. Visit to Westland Aircraft, Ltd., followed by tea and annual meetings.

Friday, May 1

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bluecoat Chambers, Liverpool, 1, at 7.45 p.m. Annual meeting.

Saturday, May 2

NATIONAL PHARMACEUTICAL UNION, Royal hotel, Scarborough, at 8.30 p.m. Informal dinner, special area meeting.

Sunday, May 3

NATIONAL PHARMACEUTICAL UNION, Royal hotel, Scarborough. Special area meeting for Yorkshire, Durham and Northumberland members. At 10.30 a.m., religious service; at 1 p.m., luncheon; at 2.30 p.m., area meeting; at 4.30 p.m., tea; at 5 p.m., area meeting continued.

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

May 3–9	London	Midland	North	Scotland	Wales	South	N.E.
Alka-Seltzer	2	1	1	—	2	—	1
Amami wave set	—	3	—	—	—	—	—
Anadin	3	3	4	4	3	3	3
Andrews liver salt	1	1	1	1	1	1	3
Askit	—	—	—	12	—	—	—
Aspro	2	2	3	—	2	2	2
Beecham's pills	3	3	4	4	3	4	3
Beecham's powders	4	4	3	4	6	3	4
Bisodol	—	—	4	—	—	—	—
Bristow's shampoo	2	2	2	—	—	—	—
Camay soap	2	2	2	2	2	2	3
Cephos	—	—	3	—	—	—	—
Christy's lanoline face pack	1	1	1	1	1	1	1
Cooper's aerosols	2	2	2	2	1	2	2
Cutex lipstick	—	4	—	—	—	—	—
Damaskin	1	1	—	—	—	—	—
Dylon dyes	—	3	3	—	—	—	—
Formula 21	3	4	3	3	3	3	3
Fynnon salts	2	2	3	2	2	2	1
Germolene	3	3	—	3	4	2	3
Gibbs' S.R. tooth-paste	3	3	3	3	4	3	3
Gillette razors and blades	1	1	1	1	1	1	1
Harlene hair tonic	—	5	—	—	—	—	—
Hiltone	3	—	—	—	—	3	—
Immac	—	1	—	—	—	—	—
Imperial Leather soap	3	2	3	—	—	—	—
Knight's Castile	—	—	1	9	8	8	16
Lanospray	2	1	2	1	1	—	—
Lucozade	2	—	1	1	1	2	1
Max aerosols	9	3	2	2	2	1	2
Max Factor preparations	4	4	4	2	4	5	3
Milk of Magnesia tablets	—	5	6	—	—	—	—
Milk of Magnesia	2	—	—	2	2	2	1
Milpar	—	2	—	—	—	—	—
Pantene	—	—	—	—	—	11	—
Philips tooth-paste	2	—	—	1	—	—	—
Phyllosan	1	3	—	3	—	—	3
PLJ	—	—	1	—	—	—	—
Ramer sponges	—	—	—	2	—	—	—
Remington Rollectric	4	5	6	6	6	5	8
Rennies	3	4	4	4	3	2	2
Ribena	2	2	2	2	2	2	2
Rinstead pastilles	—	—	—	—	1	1	—
Robinade	1	2	—	—	—	—	—
Sanmex	—	—	—	3	—	—	2
Setlers	1	4	3	—	3	—	3
Silvikrin hair cream	2	3	9	3	4	3	3
Spun-gee perfumed	1	—	—	—	—	—	—
Sun Orange Quosh	3	3	3	3	3	3	3
Suregrip house gloves	2	1	3	3	2	2	1
Tangee lipstick	3	4	4	4	4	4	4
Tru-gel	3	3	3	2	2	2	2
Valrosa	—	—	—	—	—	1	—
Vitapointe	2	2	—	—	—	—	—
Vosene	1	1	1	1	—	1	—
Yeast-Vite	—	1	2	—	—	—	—



SHOWBOX: Cupal, Ltd., Blackburn, have produced the aerosol showbox illustrated. It has been designed for their Secto aerosol fly-spray, Secto moth-proofer aerosol, and Astral aerosol air freshener.

PRINT AND PUBLICITY

DISPLAY

JEYES-IBCO SALES, LTD., River Road, Barking, Essex: Ibcol counter display card 11 x 9 in. adjustable for the three bottle sizes of Ibcol.

Booklets

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Polivirin close-up — a booklet on the development and manufacture of Glaxo poliomyelitis vaccine.

WELLCOME FOUNDATION, LTD., 183 Euston Road, London, N.W.1: Review of the Wellcome Research Laboratories, Beckenham.

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Oblivon C" (4-p. leaflet).

DUNCAN, FLOCKHART & CO., LTD., 16 Wheatfield Road, Edinburgh, 11: Folder with set of literature on medical products.

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: "Butazolidin," "Desogen," "Dosulfin," "Eurax," "Sinthrome," "Steroxin," "Taoryl," "Tebafen," "Teevex," "Tromexan" (standard reference cards), "Dosulfin Jack & Jill" (20-p. booklet and wrapper band).

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Corticoid reference list (folder).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Nivaquine in non-tropical indications" (16-p. booklet).

Catalogues

MACARTHYS (WHOLESALE CHEMISTS), LTD., Romford, Essex: List C, surgical products, dispensary sundries and consulting room requisites. Pp. 38.

Periodicals

CHILEAN IODINE EDUCATIONAL BUREAU, Chile House, Ropemaker Street, London, E.C.2: *Current Iodine Literature*, Vol. 6, Nos 3 and 4, 1959.

MOND NICKEL CO., LTD., Thames House, Millbank, London, S.W.1: *The Nickel Bulletin*, March 1959, Volume 32, No. 3.

PRESS ADVERTISING

ASPRO-NICHOLAS, LTD., Slough, Bucks: Lifeguard. In national newspapers and women's magazines.

BRISTOL-MYERS CO., LTD. (distributors: SCOTT & BOWNE, LTD., 50 Upper Brook Street, London, W.1.): Mum mist. *In Daily Mirror, Woman's Own, True Story, Woman's Day* and *True Romances*. Mum rollette, In woman's magazines and national cinema campaign.

COOPER-MCDOUGALL & ROBERTSON, LTD., Berkhamsted, Herts: Cooper's aerosols. In national Press and women's interests and "do-it-yourself" magazines from April to October.

DOMESTOS, LTD., College Works, Albion Row, Newcastle-upon-Tyne: Domestos. In newspapers and magazines.

FEPSODENT, LTD., 449 London Road, Isleworth, Middlesex: Fram. In *Daily Mirror, Women's Mirror, Woman, Woman's Own, Woman's Day, Woman's Realm, Woman's Illustrated, True Story, True Romances, Photoplay, Woman's Story, True Magazine*, and *Sincerely*.



STOCK ON DISPLAY: Card on which are mounted, for display and sales, twelve styptic pencils manufactured by D. F. Penn, Ltd., Alexandra Road, Hounslow, Middlesex.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; † = Tax 15 per cent.; *=Tax 30 per cent.; ‡ = Tax 60 per cent.

THE BRITISH DRUG HOUSES, LTD.

		Each	I.R.P.
Radiostoleum	100 mils	6 6	9 9 *R*

CUXSON, GERRARD & CO., LTD.

		Doz.	I.R.P.
Sanoid plastic baby pants (cellophane bag)	D56	15 4 *R*	
(carton)	D60	18 0 *R*	

PARKE, DAVIS & CO., LTD. (from April 20)

Mascetin (Chloromycetin intramammary infusion 15 per cent.) box of 12 tubes		45 0 *R*

E. R. SQUIBB & SONS, LTD. (from April 27)

		Each	
Nystatin oral tablets	12	7 0	10 6 *R*

NEW PRODUCTS AND PACKS

THE BRITISH DRUG HOUSES, LTD.

Mycil spray*	5 10	10 3

GLAXO LABORATORIES, LTD.

Predsol suppositories (5 mgm. prednisolone)	6	9 0 12 0

IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMACEUTICALS DIVISION

		Doz.	
Sulmezil V tablets	25	96 0	12 0
	100	330 0	41 3
		Each	
	500	125 3	187 10½
		Doz.	
suspension 2 fl. oz.		106 0	13 3

NORTHAM WARREN, LTD. (distributors, **J. C. GAMBLES & CO., LTD.**)

Odo-Ro-No "roll-on"‡	21 0	3 6

REMINGTON RAND, LTD., SHAVER DIVISION

Sterilizer	6 8

SCOTT & BOWNE, LTD.

Ice Blue Aqua Velva	3 4
	5 9
Murine polythene dropper	3 10

G. D. SEARLE & CO., LTD.

		Each	
Enavid tablets	10 mgm. 50	343 5	606 0

JANE SEYMOUR, LTD.

bath cubes Embrace and Blue Gardenia (pack of 2)	0 5

WILLIAM R. WARNER & CO., LTD.

Tedral paediatric suspension	4 oz.	48 0

THE TREE OF LIFE, SYMBOL OF THE HIGHEST QUALITY IN FINE CHEMICALS TODAY.

CARNEGIES of WELWYN ESTABLISHED 1911

REGD. TRADE MARK

WORLD RENOWNED MANUFACTURERS OF BISMUTH SALTS

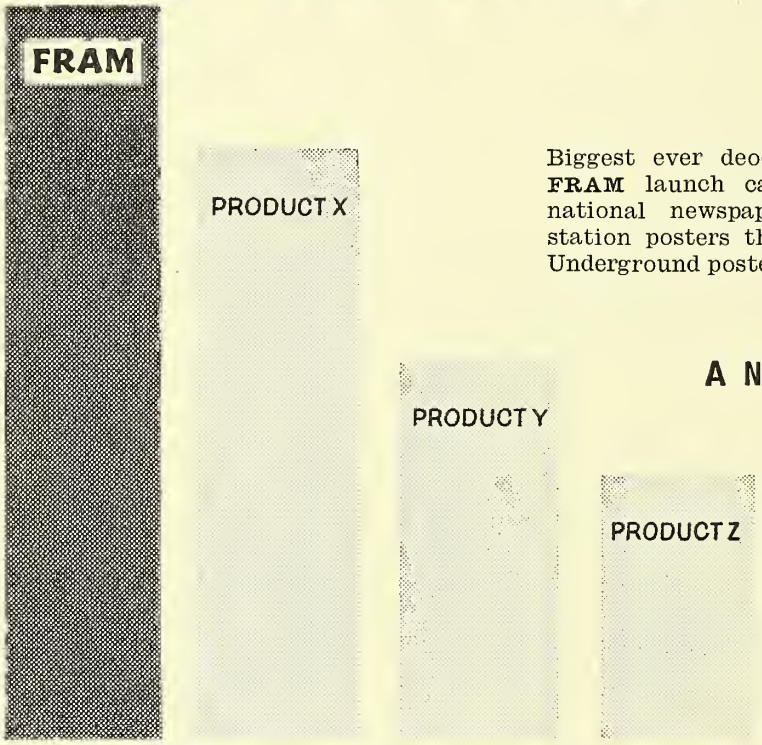
For nearly half a century the name Carnegies has served as a standard in the fine chemical field for products of utmost purity and rigid adherence to pharmaceutical specification. Direct importation of raw materials, and the completion of every process under our own roof at Welwyn Garden City, enables us to compete successfully with world suppliers in any part of the globe. Yet we welcome and treat with equal importance the smaller orders too.

Enquiries are invited for:

ADRENALINE
ADRENACHROME MONOSEMICARBAZONE
AMINOPHYLLINE
ATROPINE & SALTS
BISMUTH SALTS
BRUCINE & SALTS
CAFFEINE & SALTS
CHRYSAROBIN
EPHEDRINE & SALTS
HOMATROPINE & SALTS
HYDANTOIN DERIVATIVES
IODIDES
ISONICOTINIC ACID HYDRAZIDE
ISOPRENALINE SALTS
LITHIUM SALTS
METHOIN
NORADRENALINE & SALTS
P.A.S.
PIPERAZINE & SALTS
RESERPINE
SANTONIN
STRYCHNINE & SALTS
THEOBROMINE & SALTS
THIOMERSALATE
QUININE & SALTS
CINCHONA FEBRIFUGE
TOTAQUINA

CARNEGIES OF WELWYN LIMITED
Manufacturers of Fine Chemicals WELWYN GARDEN CITY · ENGLAND
Telephone: WELWYN GARDEN CITY 5001 (10 lines) Cables: CARNEGIES, WELWYNGARDENCITY Telex: LONDON 28676

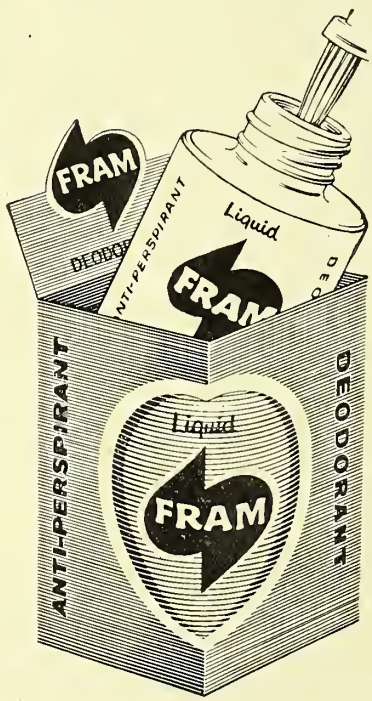
BIGGEST ADVERTISING IMPACT EVER IN THE DEODORANT FIELD— TO INTRODUCE FRAM



FRAM launch campaign in national press May-September inclusive compared with leading competitors.

Biggest ever deodorant launch! May-September **FRAM** launch campaign includes full-pages in national newspapers and women's magazines, station posters throughout the country, London Underground posters and 3-D display material.

A NEW PEPSODENT PRODUCT



✳ **AT LAST! COMPLETE ODOUR PROTECTION**

✳ **BEST-EVER ANTI-PERSPIRANT TOO!**

✳ **BUILT-IN BRUSH APPLICATOR**

✳ **PACKAGED FOR TOP SALES APPEAL**

SPECIAL INTRODUCTORY BONUS OFFER!

Halex T.V. Commercials are wonderful !



16 million viewers will see them over and over again on all stations commencing May.

HALEX T.V. Commercials will send sales up and up. Be prepared. Keep your dispensers well topped up with

HALEX COMBS AND TOOTHBRUSHES

Sanitary Towels

The demand for our products increases, as the range we offer meets most requirements. If you are not already handling these, ask us, or our Representative about our introductory offer for Sylvia.

DISPLAY MATERIAL AVAILABLE



SYLVIA

12 per packet

Size :	0	1	2	3
Trade price :	18/6	20/-	23/9	29/9 Dozen
Minimum Order	12	12	12	6 Packets

SYLVIA MATERNITY PADS

Size 12 inch. 12 per packet

Trade price : **30/9 Dozen.** Minimum Order 6 packets

SOFTEXE

Sizes 1 and 2 only

Size :	1 (Twelves)	1 (Sixes)	2 (Twelves)
Trade price :	17/7	9/-	22/2 Dozen
Retail price :	2/-	1/-	2/6 Packet
Minimum Order	12	24	12 Packets

QUANTITY ALLOWANCE

A monetary allowance is made on quantities of 7 gross and over, according to brand.

ALTEX

Size 1 only. A splendid seller reserved to the trade

Size :	1 (Twelves)	1 (Sixes)
Trade price :	19/- Dozen	9/9 Dozen
Retail price :	2/1 Packet	1/1 Packet
Minimum Order	12 Packets	24 Packets

A PRODUCT OF *Cuxson, Gerrard & Co. Ltd.* OLDBURY, BIRMINGHAM

***You cannot do better than specify* COCKER**

P.C.M.X. and D.C.M.X.

For many years we have been large-scale manufacturers of these widely-used intermediates for which we should be pleased to receive your enquiries and to submit samples at your request.

In addition we should like to draw your attention to the undermentioned selection from our production of fine chemicals.

D.D.T. (and certain formulations)
Terpineol B.P. and Perfumery
Chlorxylenol fractions
Chlorinated Cyanuric Acids

Dichlorphenol
P.C.O.C.
Chloral Hydrate B.P.
Terpinolene

M.B.T.
M.B.T.S.
Benzylated-Cresylic-Acid
Chloral Anhydrous
Ortho Benzyl parachlorphenol

The finest of the fine from :

COCKER CHEMICAL CO. LTD. (Dept. CD.)

OSWALDTWISTLE · LANCASHIRE

Telephone : Accrington 3621-3

Loxene sales go up and up! so does the advertising!

Coming Now

FULL PAGES IN

DAILY MIRROR
DAILY SKETCH
WOMAN
WOMAN'S WEEKLY
WOMAN'S DAY
WOMAN'S OWN
WOMAN'S REALM

13" x 5 Columns in

DAILY EXPRESS **DAILY MAIL**

Plus *regular BIG insertions throughout the summer in*

DAILY HERALD
NEWS CHRONICLE
DAILY TELEGRAPH
GLASGOW SUNDAY POST
BELFAST TELEGRAPH
NEWS OF THE WORLD
SUNDAY PICTORIAL
SUNDAY EXPRESS
PEOPLE
SUNDAY DISPATCH
EMPIRE NEWS
WOMAN'S MIRROR
WOMAN'S ILLUSTRATED
MY HOME
WIFE AND HOME
WOMAN AND HOME



You know display sells goods! This advertising makes it well worth while putting Loxene Medicated Shampoo on show.

DISPLAY NOW—SELL MORE LOXENE!

Order direct or from your wholesaler today

LOXENE

MEDICATED SHAMPOO

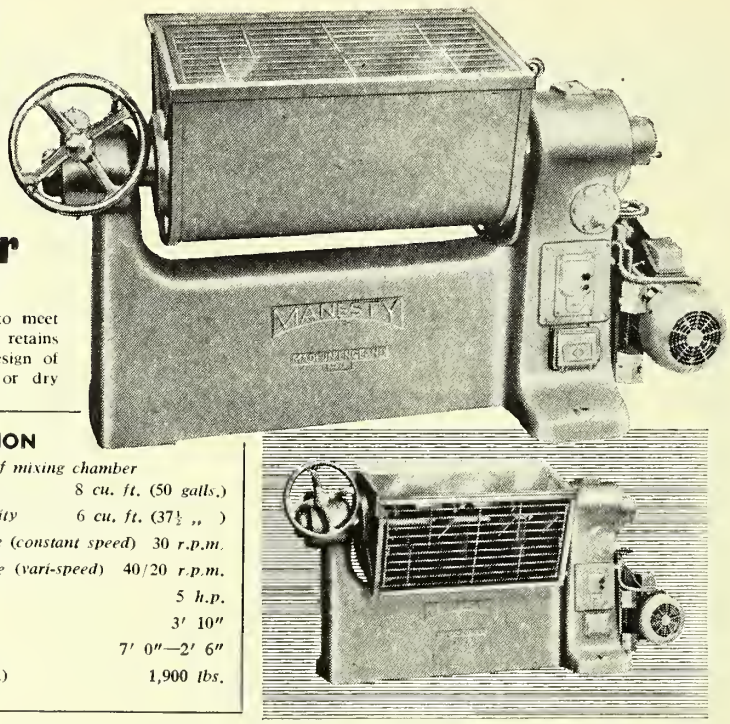
F. W. HAMPSHIRE AND CO. LTD., SUNNYDALE, DERBY. Urgent orders phone Derby 22202 (3 lines)

MANESTY

NEW
'300'

Stainless Steel Mixer
FOR DRY OR MOIST POWDERS

This is an entirely new Mixer, designed by Manesty to meet the demand for increased mixing capacity. This Mixer retains the excellent features of the model 'H' such as a design of paddle which gives intimate mixing to both moist or dry materials, safety guard, transparent plastic lid and tilting gear. It is, of course, made with a high quality solid stainless steel mixing chamber and guard. In addition to the increased capacity, the Manesty '300' Mixer has stainless steel cased seals on the paddle drive shaft and retractable sleeves, allowing the paddle to be removed for cleaning purposes. A vari-speed drive model is also available. Tests have shown that this Mixer will handle between 300 lbs. and 400 lbs., but, naturally, the total weight which can be used depends on the density of the material being mixed.



SPECIFICATION

Total capacity of mixing chamber	8 *cu. ft.* (50 *galls.*)
Working Capacity	6 *cu. ft.* (37½ ,,)
Speed of paddle (constant speed)	30 *r.p.m.*
Speed of paddle (vari-speed)	40/20 *r.p.m.*
H.P. of motor	5 *h.p.*
Height	3′ 10″
Floor space	7′ 0″—2′ 6″
Weight (approx.)	1,900 *lbs.*

Write today for fully-descriptive literature and details of our Experimental Service to:—

MANESTY MACHINES LIMITED Speke · Liverpool 24

Telephone: Hunts Cross 1972
Cables: Manesty Liverpool 24

MIXERS · TABLET MACHINES · PUNCHES & DIES · COATING PANS · AUTOMATIC WATER STILLS

Fighting "MANAGEMENT FATIGUE" means BUSINESS

There will be many among your customers, holding responsible positions in all walks of life, whose lives are overshadowed by the lowered state of mind and body now known as "management fatigue". This, the legacy of tension, overwork, snatched and ill-balanced meals, is a major problem of today. But just as 20th-century conditions combine to create it, 20th-century science has evolved, in OKASA, the means to solve this problem.

As befits a modern tonic, specifically designed for busy people, OKASA is prepared in tablet form. Its ingredients are most carefully combined to provide a comprehensive treatment—to strengthen not merely a part, but the whole of the human constitution. By virtue of its new composition, OKASA also qualifies as a geriatric product of the highest order. To people seeking vigorous enjoyment of their later years, as well as to people of all ages living under pressure, OKASA will be of vital and immediate interest.

OKASA *the 20th-Century Tonic*

STANDARD SIZE (100 TABLETS) 24/6
(To the Chemist 16/4)

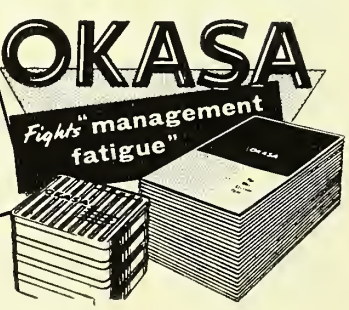
TRIAL SIZE (50 TABLETS) 14/9
(To the Chemist 11/2)

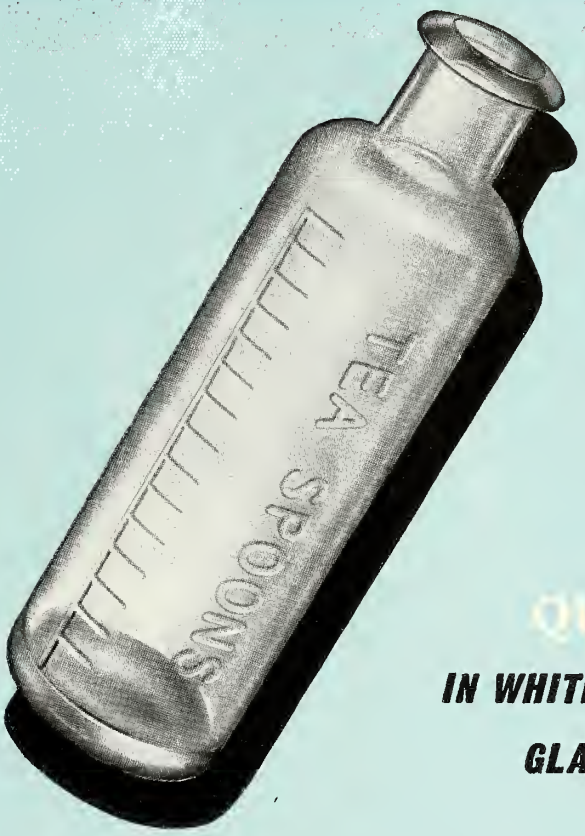
OKASA is prepared by Hormo-Pharma Ltd. London, and is obtainable from the sole distributors for the U.K.

ROBERTS CHEMISTS (Bond St.) LTD.
76 New Bond St. London, W.1. Tel: MAY 4173

EARLY ORDERS 14 to the DOZEN

Attractively packed. Informative brochure available for free distribution to your customers. Eye catching counter card. Phased advertising programme to stimulate demand.





First Class in GLASS

QUALITY

IN WHITE FLINT GLASS CONTAINERS

TRADE MARK

DISPENSING BOTTLES
1-oz. to 20-oz.
RIBBED OVALS
½-oz. to 16-oz.
PLAIN OVALS
4-oz., 8-oz. and 16-oz.
BOW-FRONT PANELS
1-oz. to 8-oz. and 16-oz.
OLIVE OIL BOTTLES
2½-oz., 5-oz. and 10-oz.
OVAL TABLET BOTTLES
Nos. 1 to 7½ sizes.
ROUND SCREW JARS
Tall and Semi-squat.
PANEL FLATS
1 oz to 4-oz.
VIALS
½-oz. to 3-oz.
RECTANGULAR TABLET BOTTLES
Nos. 1, 2, 3, 4, 5, 6 and 9 sizes

✻ **AMBER BOTTLES.** We can now offer certain types of glass containers in Amber and your enquiries are invited.

NATIONAL GLASS WORKS (YORK) LTD.
FISHERGATE, YORK. Tel. YORK 23021
ALSO AT: CAROLINE HOUSE, 55-57 HIGH HOLBORN, LONDON, W.C.1. Tel. HOLBORN 2146

● *Prompt delivery from stock*
● *Packed in easily handled cartons*

WHOLESALE ONLY

SELLING AGENTS IN NORTHERN IRELAND MAGOWAN, VICARS (CHEMICALS) LTD., 64/66, TOWNSEND STREET, BELFAST
TELEPHONE: BELFAST 29830

GET SET FOR A BEST

MAX FACTOR

sun bliss

Snow-white foam
in long-lasting
aerosol pack

11/3



SELLING SUMMER!

SUCCESS!

Last year saw the launching of Max Factor's SunBliss—the sun-tan sensation of the year —formulated for a fast tan without danger of burning or drying. Even in a not-too-brilliant summer, SunBliss made a brilliant debut — becoming, almost overnight, a best-selling line of the summer season!

NEW PLANS!

This year's powerful promotion for SunBliss is about to break — with a concentrated basic campaign in the press and leading magazines, planned to continue throughout the season, *plus* a special 'commando' campaign for use during hot-weather spells.

NEW PROFITS!

Don't wait for a heatwave to start! . . . tie in *now* with Max Factor's nation-wide campaign. Make full use of the colourful show material. When the sun comes out and the holiday season starts— just watch that sales-curve rise to dazzling new heights!

For the coolest tan under the sun . . .

for the hottest sales of the year



Smooth-on cream
in generous size
non-crush tube

4/9



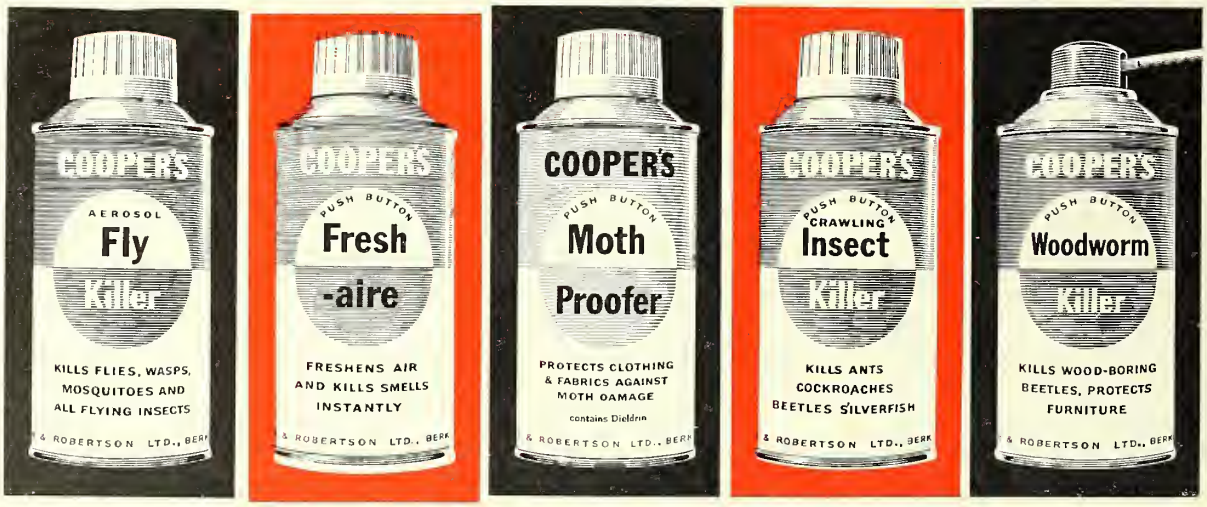
COOPER'S

first WITH **AEROSOLS**

first WITH **A LOW-PRICE RANGE**

AND NOW

first **with Whole-Season Advertising for the Whole Range**



ALL THESE now **4/6d.** POPULAR SIZE
—backed by COOPER'S biggest ever advertising support

COOPER, McDOUGALL & ROBERTSON LTD., BERKHAMSTED, HERTS.

more than double last year's advertising

and that was a record year for Sales!

HERE IS THE PLAN FOR 1959

T/V	ALL STATIONS CONTINUOUSLY FOR SIX MONTHS
National Press	Large spaces from *April* to *October*
Magazines	Special support in women's interest and 'Do-it-Yourself' home-making magazines *continuously for 9 months*
Displays Galore	Specially designed to help you SELL. From your Cooper representative or direct

NOW'S THE TIME TO GET FULL BENEFIT from *double advertising, low prices* and BONUS OFFER...

ORDER BEFORE April 30th

— that's the last day for Cooper's up-to-7½% Extra Bonus Offer

Stock and Display the full Cooper range.

9/H/11

COOPER'S, FIRST AND BEST IN AEROSOLS

Bikini

SUNTAN PREPARATIONS



An exciting range of suntan preparations in the gayest and most inviting of packs. Bikini products truly cater for *all* tastes, bringing quick sales and good profits. High grade point of sale material is freely available upon request.

BIKINI SUMMERTAN OIL SPRAY
Polythene spray bottle in fashionable blue striped carton.
27/- *per dozen.* Tax 60% Retail 5/-
Display Bonus of 1 to each dozen ordered.

BIKINI NON-OILY SUMMERTAN SPRAY
Polythene spray bottle in a distinctive red striped carton.
27/- *per dozen.* Tax 60% Retail 5/-
Display Bonus of 1 to each dozen ordered.

BIKINI SUNTAN OIL
10/6 *per dozen.* Tax 60% Retail 2/6

BIKINI SUNTAN CREAM
Delicately perfumed and tinted non-greasy Cream.
10/6 *per dozen.* Tax 60% Retail 2/6

IMPROVED FORMULA!
The new, improved Bikini formula gives even greater protection.
Does not harm the most delicate fabrics.

Manufactured by **AYRTON, SAUNDERS & CO. LTD.**
HANOVER STREET, LIVERPOOL.

---

for **ASTHMA** and Allied Chest Complaints, you can safely recommend—

RIDDOVYDRIN ASTHMA INHALANT

—A BIOLOGICAL PREPARATION CONTAINING VITAMIN C

RIDDOVYDRIN gives Rapid and Prolonged Relief to the most Chronic Cases.

SAMPLES AND LITERATURE FREE ON REQUEST



TOGETHER WITH

RIDDOPAG PLASTIC INHALER

WITH OR WITHOUT MASK
— UNBREAKABLE —
Gives a Fine Dry Vapour Free of Drops
MAY BE SUPPLIED ON E.C.10 FORMS

40% DISCOUNT ALLOWED ON ALL INHALERS RETAILING FROM 9/6d. TO 58/6 TAX FREE

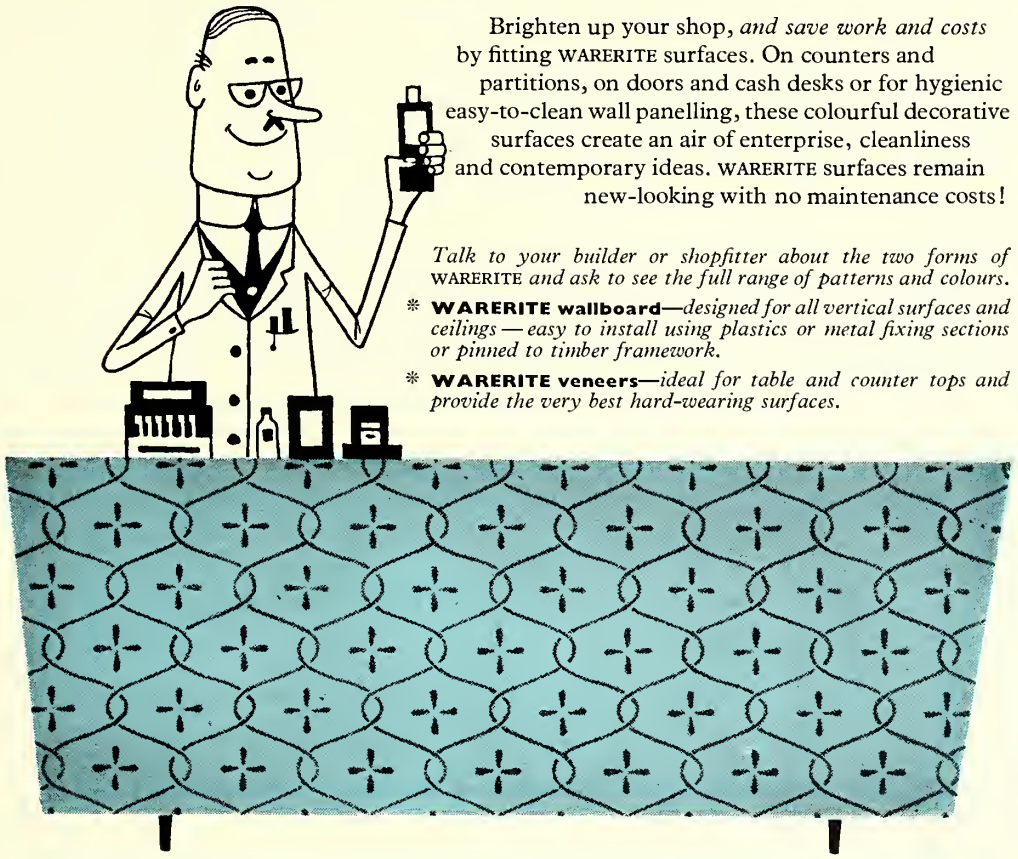


RIDDELL PRODUCTS LTD.

HEAD OFFICE
RIDDELL HOUSE,
10-14 DUNBRIDGE STREET, LONDON, E.2
Phone: SHOreditch 7254/6

BRANCH OFFICE:
11 MANSFIELD CHAMBERS,
ST. ANN'S SQUARE, MANCHESTER, 2
Phone: BLA. 2894

Chemists looking for More Customers look for **WARERITE** Surfaces*



Brighten up your shop, *and save work and costs* by fitting WARERITE surfaces. On counters and partitions, on doors and cash desks or for hygienic easy-to-clean wall panelling, these colourful decorative surfaces create an air of enterprise, cleanliness and contemporary ideas. WARERITE surfaces remain new-looking with no maintenance costs!

Talk to your builder or shopfitter about the two forms of WARERITE *and ask to see the full range of patterns and colours.*

* **WARERITE wallboard**—*designed for all vertical surfaces and ceilings — easy to install using plastics or metal fixing sections or pinned to timber framework.*

* **WARERITE veneers**—*ideal for table and counter tops and provide the very best hard-wearing surfaces.*

WARERITE Regd.

with the lovelier patterns

A product of BAKELITE LIMITED · 12-18 GROSVENOR GARDENS · LONDON SW1 · SLOANE 0898 REGD. TGA WR3

Enterofagos

POLYVALENT INTESTINAL BACTERIOPHAGE

MBL

The BIOLOGICAL treatment for most intestinal, para-intestinal, kidney and bladder infections

ENTEROFAGOS is one of the series of M.B.L. preparations which enjoy the confidence of the Medical profession in this country and overseas. It is of established therapeutic value in the treatment of infective conditions of the gastro-intestinal tract, kidneys and bladder.

ENTEROFAGOS contains the active bacteriophages against Staphylococci, Streptococci, B. coli, B. Typhosus, B. paratyphosus, B. dysenteriae and Enterococci. It can be given to adults or children without fear of harmful reactions, and this combination of efficacy and safety makes ENTEROFAGOS the ideal treatment for the infective conditions indicated.

The preparation is contained in ampoules to be taken orally according to the instructions supplied.

INDICATIONS

With ENTEROFAGOS most cases of **Diarrhoea** respond rapidly to treatment. **Colitis, Enteritis, Entero-colitis, Typhoid and Paratyphoid Fevers, Bacillary Dysentery, B. Coli Infections, Food Poisoning** are equally responsive to its treatment.

MEDICO-BIOLOGICAL LABORATORIES LTD.

CARGREEN ROAD
SOUTH NORWOOD
LONDON, S.E.25

PB27



a case for a comb



HYGIENIC

Stratton
combs for men

each comb in pocket case

FINEST ACETATE TWIN-TONE COMBS



No. 26 *AUTOMATIC*

COMB SERVER AT 44/10 Plus Tax PER **4 DOZEN SET**

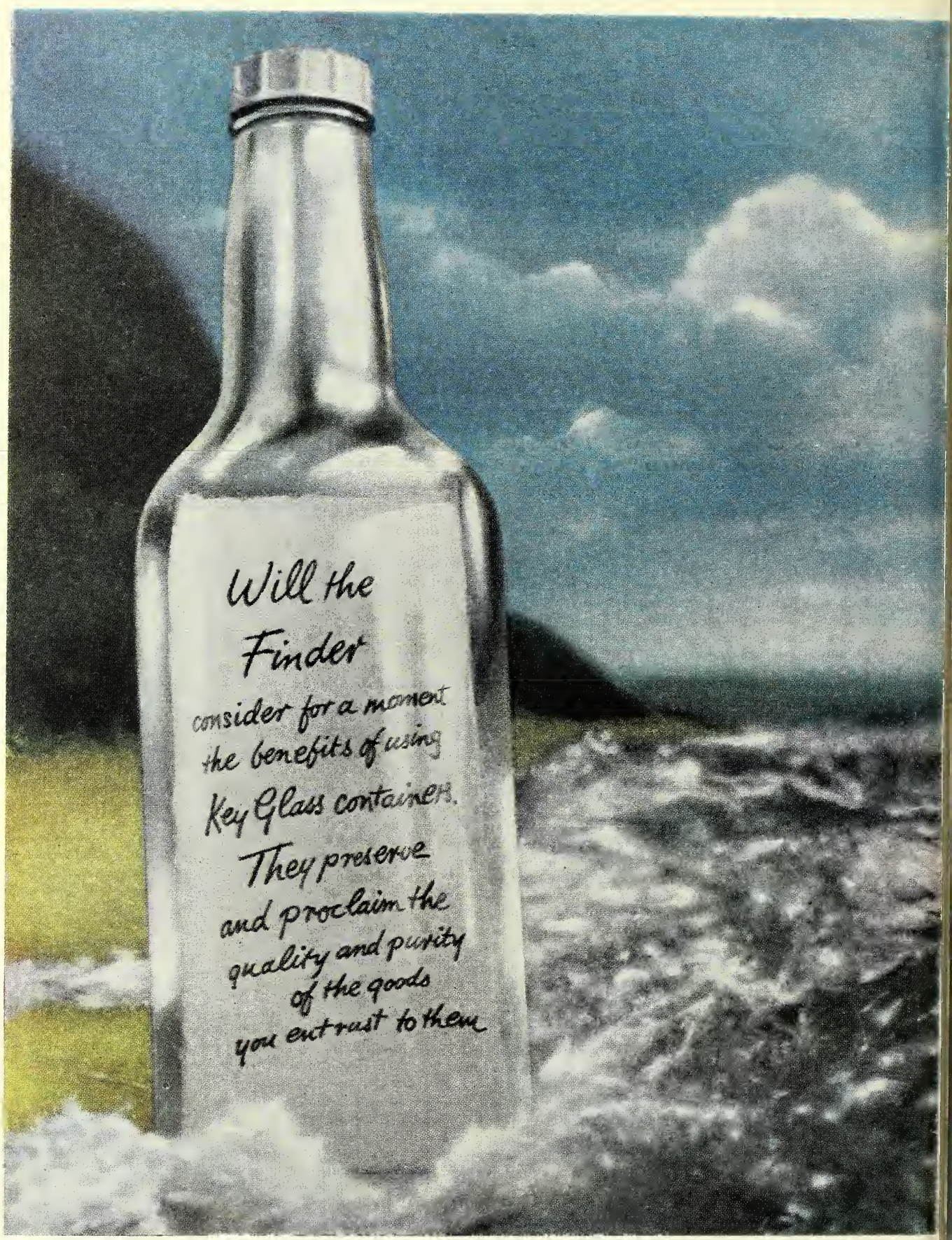
Containing			Retail	Total-resale
1 Doz.(03TTC)	**LANCER**	7½ inch	**2/-** each	**24/-**
1 Doz.(01TTC)	**CAVALRY**	6 inch	**1/9** each	**21/-**
1 Doz.(020TTC)	**OXFORD**	5 inch	**1/6** each	**18/-**
1 Doz.(023TTC)	**CADET**	5 inch	**1/6** each	**18/-**

RETAILERS COST 44/10 + Tax RESALE VALUE 81/-

ORDER FROM YOUR WHOLESALER

MANUFACTURED BY

LAUGHTON & SONS LTD · BIRMINGHAM 14

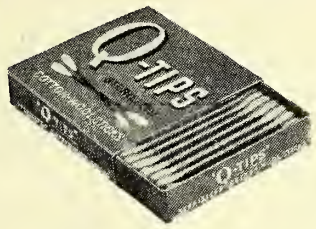


Key Glassworks Limited

First Class in GLASS

Factories at New Cross · Alperton · Harlow

All correspondence to Sole Selling Agents: Ronald Gale and Co. Limited · 7 Fursecroft · George Street · London W1



THIS IS Q-TIPS

REGISTERED TRADE MARK

FREE GOODS OFFER!

Retailers! Get in on 'Q-Tips' Free Goods offer—this means more profits for you! Here's how this offer works:

PARCEL 'A'

YOU BUY

2 doz. size 100 pack **24/-** RSP
2 doz. size 300 pack **60/-** RSP

YOU GET *FREE*

6 size 100 pack & 6 size 300 pack **21/-** RSP

Total retail value	**105/-**
Cost to you	**56/-**
Your profit	**49/-**

Giving you a profit on your 'Q-Tips' sales of **46·6%**

PARCEL 'B'

YOU BUY

2 doz. size 100 pack **24/-** RSP
1 doz. size 300 pack **30/-** RSP

YOU GET *FREE*

6 size 100 pack & 3 size 300 pack **13/6** RSP

Total retail value	**67/6**
Cost to you	**36/-**
Your profit	**31/6**

Giving you a profit on your 'Q-Tips' sales of **46·6%**

All you do is display 'Q-Tips' promotional material in your shop. This sells 'Q-Tips' at point of sale and guarantees your Free Goods offer!

DON'T MISS THIS GOLDEN OPPORTUNITY

contact your usual wholesaler immediately stating which parcel you require!

The Better Proposition

FOR | * YOU * YOUR CUSTOMER

Hair Magic "BROWNS"

Hair Magic semi-permanent Browns cover up to 50% of greying hair in one simple operation, with flattering Brown, Ashen Brown and Chestnut Brown

Hair Magic is best for you too, bringing in 80% profit on every bottle you sell.

and here's how

CHEMIST'S PRICE 1/8 PER BOTTLE PLUS 50% P.T.

RETAIL PRICE INC. P.T. **3/10** PER BOTTLE

*

CHEMIST'S PROFIT 1/4 PER BOTTLE ... OR 80% PROFIT

and remember

all the other Hair Magic shades give you the same profit.

CFH/INS8/17



CORKS

PRESCRIPTION BOTTLES

require top grade cork stoppers which permit no leakage.

Chemists who know from experience, continually specify Robinson Corks — the first class quality never varies.

Write for full details and prices to:—

CORK

ROBINSON BROS

CORK GROWERS LTD.

21 HORTON STREET · HALIFAX

London Address: 54-62, Regent Street, London, W.1. Tel: GER 3965/8

For all **ETHICALS**

Smith & Hill

service is second to None

NOTTINGHAM

DONCASTER

SHEFFIELD

"Three houses combining to give an unrivalled service to pharmacists in the North Midlands"

Smith & Hill (Chemists) LTD.

MATILDA STREET, SHEFFIELD 1

Tel. 28383 (5 lines)

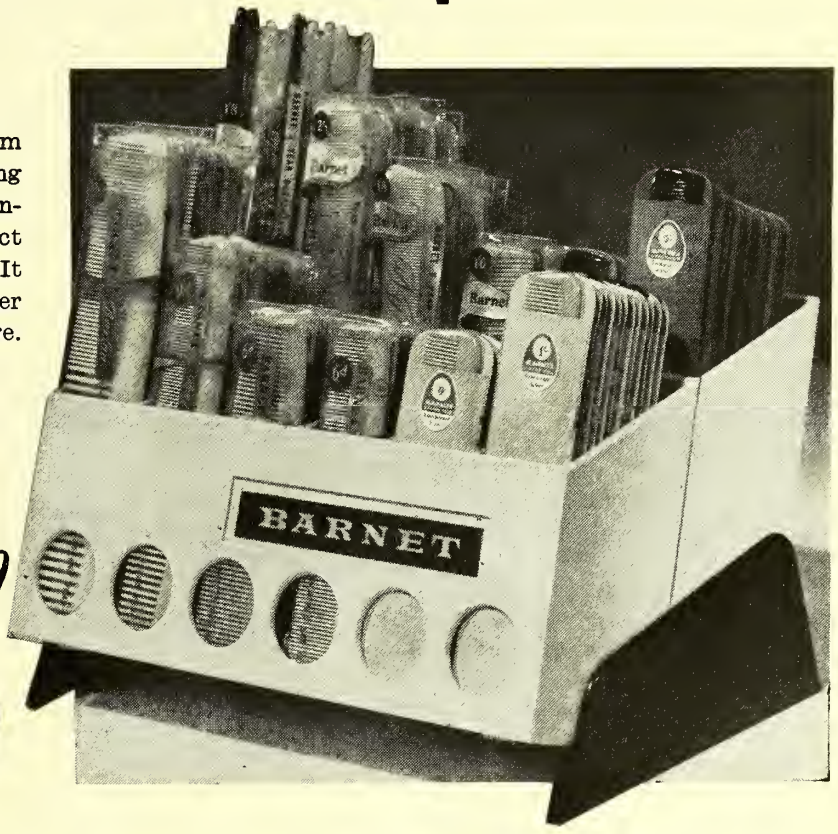
Also CARDINAL WORKS, CARDINAL STREET, NOTTINGHAM, Tel. 54829 and 54934

79A URBAN ROAD, HEXTHORPE, DONCASTER, Tel. 65261-2

S&H

You stock combs as part of your service . . . make it a PROFITABLE part

We show the Barnet Magnum R.30 Bonus dispenser, giving a complete range of guaranteed combs in one compact unit with free bonus dozen. It is one of eleven dispenser cabinets in the Barnet range.



Sell

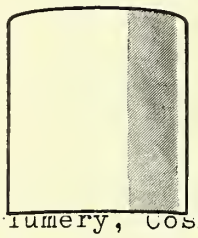
BARNET COMBS

and refill your cabinets for up to 72% PROFIT

Your wholesaler can give you the best service in the country for Barnet cabinets and highly profitable refills from the largest range in the world.

ORDER FROM YOUR USUAL WHOLESALER

E. R. HOLLOWAY SALES LIMITED
BESSEMER RD., WELWYN GARDEN CITY, HERTS.
TELEPHONE: WELWYN GARDEN 4444



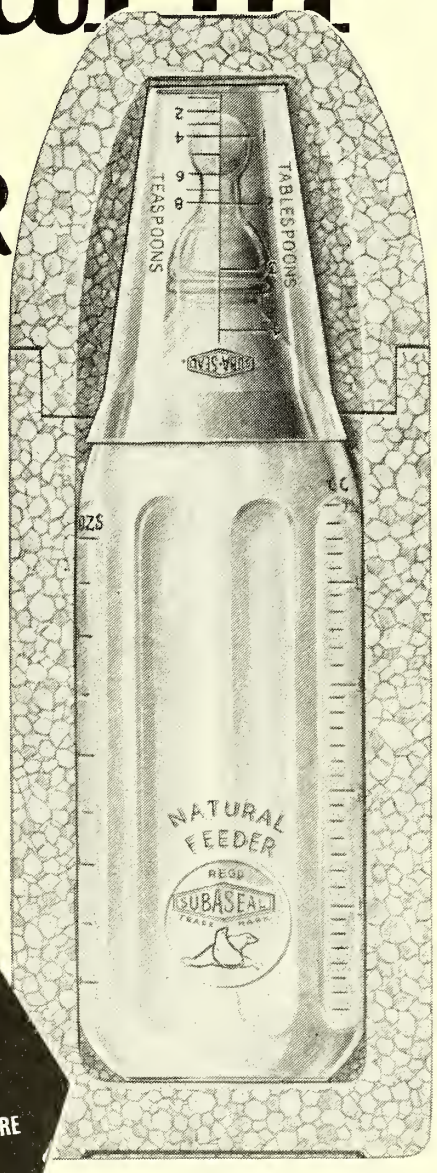
Bottles for Perfumery, Cosmetics and Drug
Bottles for Perfumery, Cosmetics and Drug
Bottles for Perfumery, Cosmetics and Drug

Easy Sales for YOU...
Easier Babyfeeding for HER!!

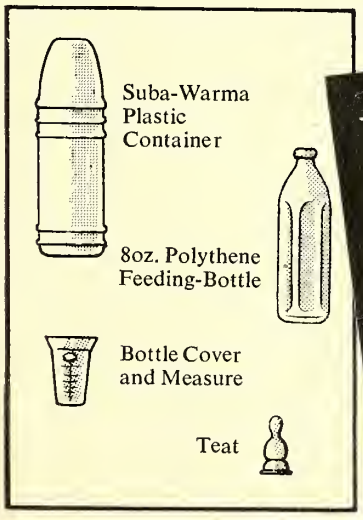
THE SUBA-SEAL NATURAL

Staywarm
complete
BABYFEEDER

keeps Baby's feed warm approximately 4 hours!



Sure of a warm welcome from all mothers who want to lead lives of their own (and what modern mother does not?) the Staywarm's the neatest, most trouble-free method yet invented of preparing baby's feed beforehand! Feed prepared, bottled and placed in the Staywarm insulated plastic container at maximum MIXING temperature will reach maximum FEEDING temperature 4 hours later. It's simple, safe, and enables a mother to feed her baby with equal ease when at home, travelling, or away.



Price 7/6 complete

- ★ MAKES NIGHT FEEDING EASIER
- ★ FACILITATES TRAVELLING WITH BABY
- ★ HELPS THE BABYSITTER
- ★ EASES THE WORK WHERE THERE ARE OTHER CHILDREN
- ★ SIMPLIFIES BABYFEEDING GENERALLY

HYGIENIC - UNBREAKABLE
LIGHT - NON-INFLAMMABLE

Manufactured by
WILLIAM FREEMAN & CO. LTD. Suba-Seal Works, Peel Street, Barnsley. Tel: 4081

TRITOX

THE ONLY NO-SPRAY SYSTEMIC INSECTICIDE AVAILABLE TO THE AMATEUR GARDENER

MAKES GREENFLY AND OTHER INSECTS KILL THEMSELVES



TO USE TRITOX . . . dilute with water, soak soil under plants or apply as a drench to the foliage and kill all sap-sucking insects.

for non-edible plants only

Retail selling prices per bottle
3/6 & 6/-

Economy sizes
11/6 & 21/-



Full particulars and trade prices from sole manufacturers :

ASSOCIATED FUMIGATORS LTD.
112 Victoria Dock Rd., London, E.16. Tel: Albert Dock 2145/6

The modern and safe remedy for head pests



SULEO
hair emulsion

Suleo Hair Emulsion is formulated with D.D.T. plus Pyrethrins and one treatment clears the worst case of head infestation within minutes. Its toxic effect lasts longer than the nits' incubation period and the hair can be washed 24 hours after treatment without reducing the residual lethal effect.

Attractive Sales Aids sent FREE on request

Approved by members of the Medical and Nursing profession. Safe and harmless to hair and scalp. Easily applied. Non-irritant. Non-poisonous. Unobtrusive. Non inflammable.

AVAILABLE FROM ALL WHOLESALERS

Write for free sample and leaflet

Dept. CD, JEYES' LABORATORIES LTD
River Road, Barking, Essex

PRIDE 7D
NEW DOUBLE SHAMPOO SACHETS

BEER SHAMPOO
a special Blend for BRUNETTES which helps to attain that much sought after high gloss so necessary with either natural or tinted BLACK hairs.

CHAMPAGNE SHAMPOO
is specially packed for those who desire the invigorating effect of wine and spirit with a lovely FRENCH PERFUME.

MEDICATED SHAMPOO
a hair health shampoo free of all harsh antiseptics Based entirely on the Pure Natural Oils of the Pine and Ti-Trees is delightful to use and assures a clean healthy scalp.

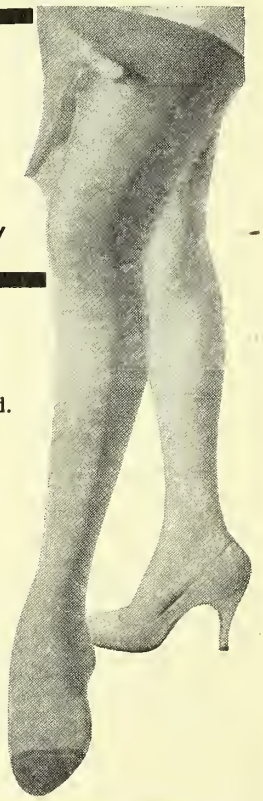
These three shampoos are in double sachets giving sufficient for 2 complete shampoos. Smart and colourful pack.
Price 3/9 doz. plus 1/2 P.T.

From May, Roberts, Sangers or your usual wholesaler or direct

B. N. FURMAN (Productions) LTD.,
133 Fonthill Road, N.4

Yalcs

SUPERFINE
Nylon Elastic Hosiery



Now in two shades only
Two up-to-the-minute shades New Light and New Dark Already enthusiastically received.

Easier to stock
Fully advertised in leading women's magazines throughout the season.

Easier to sell

★ **YALCS SERVICE**
Full Foot in a new Dark shade Open toe in a new Light shade Available against N.H.S. prescriptions

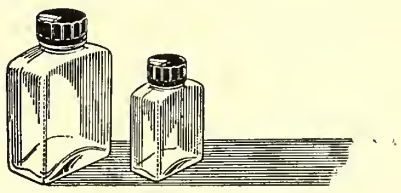
Display material, leaflets, shade cards available from Sales Agents :—

GLENSIDE (London) LTD., 37 PERCY STREET, LONDON W.1

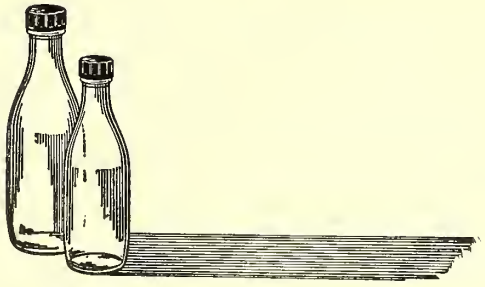
Pack to Attract

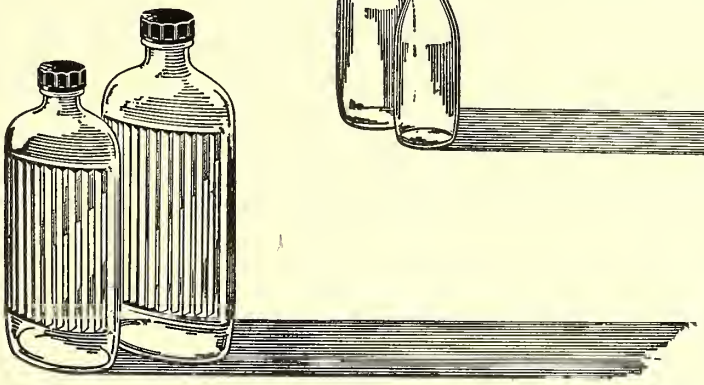


The discerning Pharmacist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well—Beatson Medicals, Panels, Ribbed Ovals, Emulsions, Tablets, Olive Oils, Poisons, Winchesters and, in fact, every bottle used in Pharmacy is the better for being "BEATSON"



...in Beatson bottles





BEATSON CLARK & CO., LTD.

GLASS BOTTLE MANUFACTURERS

ROTHERHAM *Established 1751* **YORKSHIRE**

"The Sign of a TRADE MARK REGISTERED *Good Bottle"*

BC 82



Sun-tang—made from *whole* oranges sugar and glucose—contains Vitamin C, essential to good health

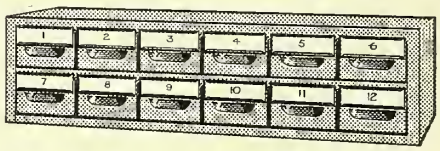
Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C —the perfect drink for young and old alike.

More customers are asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks *NOW* and make sure of year-round profits.

BARNETT & FOSTER LTD.
QUEENSBRIDGE ROAD, LONDON, E.8. Tel.: CLissold 7132

12 DRAWER UNIT

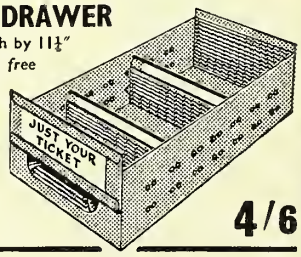
12 Type 'A' Drawers. Available in any multiple of 6 drawers.
8″ high by 36″ wide by 11¼″ deep.



£4.15.0 DELIVERED FREE In England, Scotland and Wales

TYPE 'A' DRAWER
5″ wide by 3″ high by 11¼″ long. With one free divider per drawer.

Extra dividers: plain 6d. each, with card holder 9d. each.

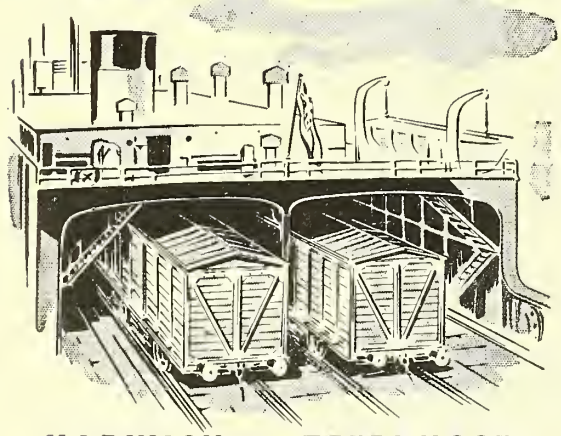


4/6

N·C·BROWN LTD
SHELVING DIVISION, HEYWOOD, LANCS. PHONE :- 69018 (6 lines)

Goods to European Markets in through wagons every day

BY TRAIN FERRY



HARWICH - ZEEBRUGGE
DOVER - DUNKERQUE

Packing and handling absolute minimum

Full particulars from:—Continental Superintendent, Victoria Station, London, S.W.1 for Dover route and Continental Traffic & Shipping Manager, Harwich House, 129 Bishopsgate, London E.C.2 for Harwich route.

BRITISH RAILWAYS

THE NEW RED LABEL

DAISY POWDERS

★ *NEW 'PLUS' FORMULA*
★ *NEW MODERN PACKING*
★ *NEW BIGGER PROFITS*

In Two Sizes

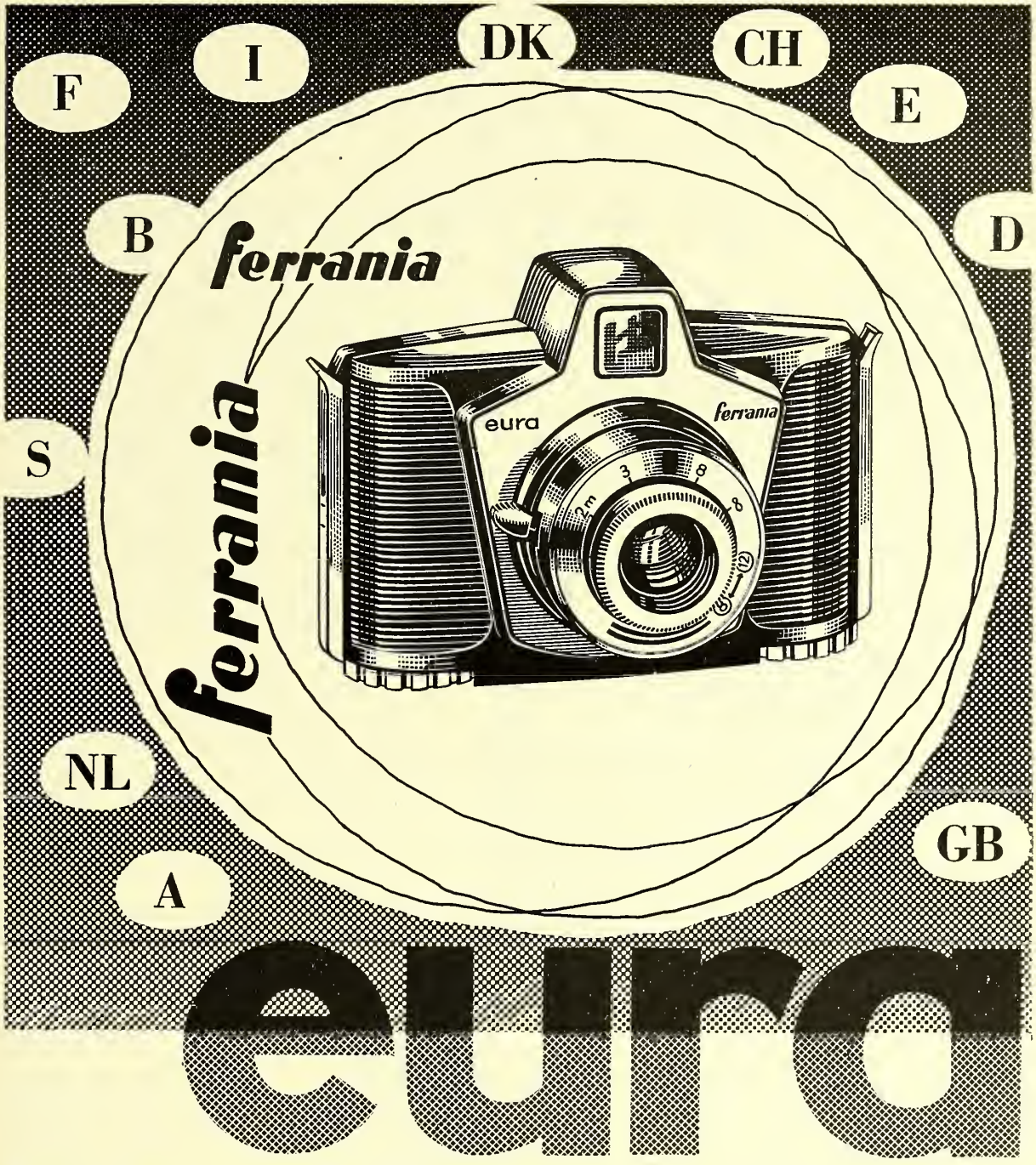
1/11 (8 Powders) 13/10 doz. (Plus Tax 30%)
5/4 (24 Powders) 38/4 doz. (Plus Tax 30%)
Single Powders 3d. each

DAISY TABLETS at corresponding wholesale prices retailing at 1/11, 2/11, and 3/11.

Split bulk sales of DAISY POWDERS from the 5/4 size show chemists 36% profit on net turnover. The smaller size shows 26% profit sold intact and 31% when split.

From any wholesaler :

J. E. ELLIS LTD. REGENT HOUSE, HARROGATE
Manufacturing Chemists



EURA 66

A popular camera for taking holiday snaps in black & white and colour, and "flash snaps"

Takes 12 pictures 6 x 6 cm. ($2\frac{1}{4}$" x $2\frac{1}{4}$") on No. 120 size roll film. Single speed shutter is synchronised for flash and the lens can be focussed from 6 ft. to infinity. The built-in optical viewfinder gives a brilliant image and the back of the camera is removable for easy loading. Spring-loaded accessory shoe and standard English tripod socket. There is also a removable shoulder strap. The body is strongly made of plastic and metal excellently finished, and the appearance is attractive as can be seen from the illustration.

Retail Price **48/2**

Ever-ready case **10/3**

Sole Wholesale Distributors:

NEVILLE BROWN & COMPANY LIMITED

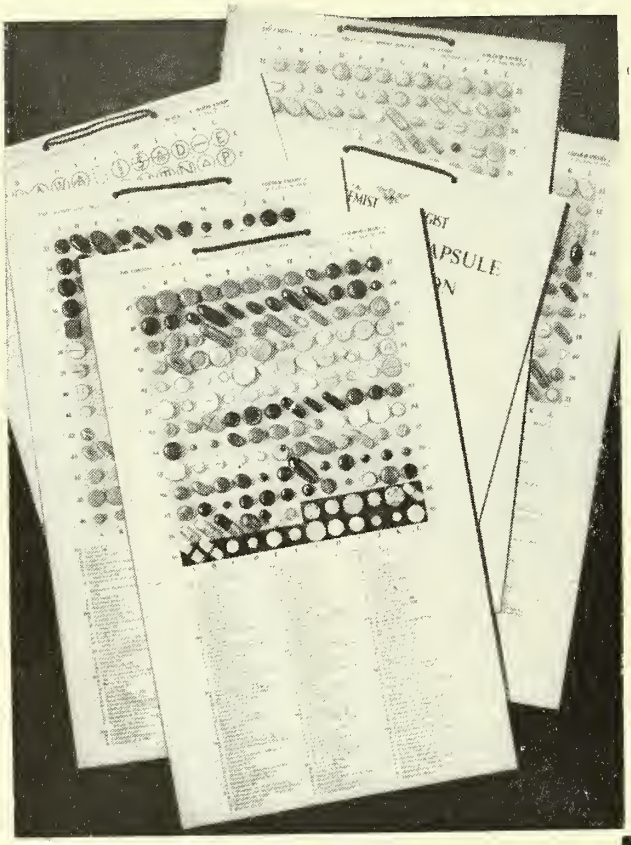
77 NEWMAN STREET · LONDON · W1. Tel. LAN 7161 (10 lines)

Trade Counter 3 BERNERS MEWS · W1 (rear of building)

DISTRIBUTED by NEBRO

THE CHEMIST AND DRUGGIST

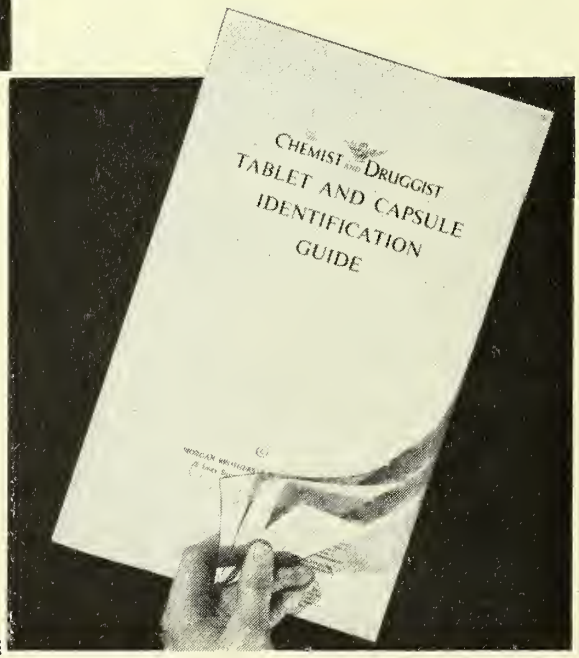
TABLET AND CAPSULE IDENTIFICATION GUIDE



You may at any time be called upon to identify a tablet or capsule by its colour, trade mark or other indication. To do so may be a matter of life and death, yet the difficulties of identification need hardly be stressed.

A reliable aid exists in THE CHEMIST AND DRUGGIST Tablet and Capsule Identification Guide. First published in 1956, it has been brought up to date with supplementary charts and is now issued as a set of six cards, four in colour, one in diagrammatic black and white, with numbered reference to the title or formula of each tablet, and the sixth contains a key to manufacturers.

Available as a set of rigid cards, eyeletted and corded for hanging. A washable laminated surface lengthens their life. Also available, for those who may consider a paged form better suited to their requirements, as a brochure on white art paper. The brochure contains the same illustrations and information as the cards.



Set of six charts as illustrated

12/6 post free

Brochures as illustrated

7/6 per copy post free

Order from The Publisher :

The CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2
Telephone : Central 6565



We specialise in Chemists "Own Name" packs and can offer a prompt and efficient service.

A very comprehensive range of official Lozenges and Pastilles in stock

Enquire for price list and direct buying terms to :—

THOS. GUEST & CO. LTD., CARRUTHERS STREET, MANCHESTER 4

D & P *SPECIALISTS*

FINEST QUALITY WORK
MODERN LABORATORY

RETURN POSTAL SERVICE, DAILY VAN DELIVERIES, in

Preston, Chorley, Bolton and South Lancashire.

First Class Show Material **FREE** on request

ORMSKIRK PHOTO SERVICES LTD.

ORMSKIRK, LANCS. Telephone 2380

OVER 1'9D PROFIT IN THE TILL !



KEARSLEYS WIDOW WELCH'S PILLS

Over 1/9 BOX PROFIT by ordering 1 dozen 6/5 size. Bonus given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.

71 DARTMOUTH ROAD, LONDON, S.E.23

FW8

ITONA SUGAR CANE MOLASSES

packed in glass jars for convenience and better protection.

Available in various sizes.

SELLING AGENTS

JEFFREYS, MILLER & CO. LTD.

LEYLAND MILLS, WIGAN

The CHEMIST AND DRUGGIST

CLASSIFIED ADVERTISEMENTS

Telephone: CENtral 6565

Specially spaced Advertisements, including :—Public and Legal Notices, Sale by Auction, Appointments, Contract Work, Patents, Partnerships, 18/- per ¼ inch minimum and pro rata. Box 2/-. Clearances and Wants, Businesses for Disposal and Wanted, Premises, Agents Wanted, Agencies Wanted, Miscellaneous, 17/6 for 36 words minimum; then 4d. per word. Box 2/-. Situations Vacant, 12/- for 36 words minimum, then 4d. per word. Box 2/-. Situations Wanted, 3/- for 18 words minimum: then 2d. per word. Box 1/-.

***Address Box Number Replies to:* THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2**

ORRIDGE & COMPANY

184 STRAND, W.C.2
Tel: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

BUSINESSES FOR DISPOSAL

LONDON, W.6. Only wants stocking, as all counters, showcases, drug-runs, scales, weighing machine, window fittings, plate-glass, etc., already fitted up. Main road shop and two rooms in thickly populated area with no near opposition. Sound business recently closed when proprietor taken suddenly ill. Long lease at £250 p.a., only £100 asked for all the fixtures, fittings and lease. Apply in first instance to 15 Pembridge Road, Notting Hill Gate, London, W.11 (Park 8257). C 2215

APPOINTMENTS

ANCOATS HOSPITAL, MANCHESTER, 4
Pharmacist

Applications are invited for the post of Pharmacist, Whitley Council scale and conditions. Applications, stating age and experience, with names of two referees, to the General Superintendent, Dept. C.D. C 9211

BROOKWOOD HOSPITAL, KNAPHILL, WOKING
Assistant-in-Dispensing

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.
Salary Scale £170 p.a. at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).
Professional and Technical Council B of Whitley Council conditions apply to the appointment which is subject to the provision of the National Health Service Superannuation Regulations.
The successful candidate will be required to pass a medical examination.
Accommodation available for female candidate for which a charge of £2 8s. per week will be made.
Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

CENTRAL GROUP HOSPITAL, MANAGEMENT COMMITTEE
Senior Pharmacist and Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale, Senior Pharmacist £675—£865 p.a. Pharmacist £605—£815 p.a., plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

There are vacancies for two Pharmacists to work within the Group under the direction of the Group Pharmacist.
The Hospitals are pleasantly situated and are served by fast electric trains from Liverpool Street.
Salary scale £605—£815 per annum with Whitley Council conditions of service.
Applications, together with names of two referees, should be sent to the Group Pharmacist, Harold Wood Hospital, Harold Wood, Essex. C 9208

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE
Locum Pharmacist

required for indefinite period. Salary up to £16 16s. per week. Apply to Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, N.1. C 456

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE
Deputy Chief Pharmacist (Category IV)

Applications are invited for the post of Deputy Chief Pharmacist at Harold Wood Hospital, the major General Hospital of the Group.
Salary scale £700—£945 per annum with Whitley Council conditions of service.
The Hospital is pleasantly situated and is served by fast electric trains from Liverpool Street. An unfurnished house can be provided at moderate rental, if required.
Applications, together with names of two referees, should be sent to the Group Pharmacist, Harold Wood Hospital, Harold Wood, Essex. C 9210

CENTRAL GROUP H.M.C.
Locum Dispensing Assistants

required for the following periods, June 18—July 25; August 17—September 12 for duties at three hospitals within the Group. Salary up to £10 per week, plus London Weighting, according to age and qualifications. Applications to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 457

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2
Locum Pharmacist

required for varying periods between May 18 and October 3 for duties in the modern pharmacies at three hospitals in the Group. Salary up to 16 guineas per week. Applications to the Chief Pharmacist. C 447

CITY GENERAL HOSPITAL, SHEFFIELD, 5
Locum Pharmacist

required for indefinite period. Comfortable accommodation available for female pharmacist if required.
Salary £18 18s. per week. Category V hospital. Apply stating particulars of age, experience and period of availability, etc., to the Group Secretary, "Lyndhurst," Nether Edge Hospital, Sheffield, 11. C 9198

DULWICH HOSPITAL, EAST DULWICH GROVE, S.E.22
Locum Pharmacist

required for period 15th to 27th June at the above hospital. Salary £16 16s. a week. Apply Chief Pharmacist. C 9207

CITY GENERAL HOSPITAL, SHEFFIELD, 5
Post-graduate Pharmaceutical Student

A vacancy will occur in September, 1959, for a Post-graduate Pharmaceutical Student to undertake the necessary twelve month's experience at the above hospital of 680 beds.
Salary £400 per annum.
Apply giving full details to the Group Secretary, Sheffield No. 1 Hospital Management Committee, Nether Edge Hospital, Sheffield, 11. C 9199

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12
Senior Pharmacist

required at above General Post-graduate Teaching Hospital (Category V) to supervise sterile products laboratory and take part in general work of the Pharmaceutical Dept. Post offers wide variety of experience. Whitley Council salary scale and conditions. Detailed applications, naming 2 referees, to Chief Pharmacist, as soon as possible. C 9191

GUY'S HOSPITAL, S.E.1
Locum Pharmacist

required mid-May to early October for holiday relief. Salary £16 16s. per week.
Applications considered for whole or part of period.
Write, with full details of qualifications and experience to Chief Pharmacist, Guy's Hospital, S.E.1. C 449

HAREFIELD HOSPITAL, HAREFIELD, MIDDLESEX (610 Beds)
Locum Pharmacist

required at the above general and chest hospital. Salary 18 gns. per week. Applications together with names of two referees to Medical Director. C 9152

ERNEST J. GEORGE & CO.

329 HIGH HOLBORN, LONDON, W.C.1. Telephone: HOLBORN 7406/7

Professional Valuers to the Pharmaceutical Trade.—Wholesale, Retail and Hospital Stocks, Branches throughout England and Scotland.

Appointments—Continued

CROYDON GENERAL HOSPITAL (Category IV)
Assistant-in-Dispensing

Modern pharmaceutical department in busy general hospital. Duties include some clerical work. Cafeteria on hospital premises. Whitley Council salary scale and conditions of service. Application Form obtainable from undersigned. GEORGE A. PAINES, Group Secretary, General Hospital, Croydon. C 9193

EASTERN HOSPITAL, LONDON, E.9
Locum Pharmacist

14-16 guineas per week, according to experience. Write Secretary, Hackney Hospital, E.9, with full details. C 448

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12
Locum Pharmacist

required at above General Teaching Hospital, May 18th for several weeks. Salary £16 16s. per week. Apply, giving particulars of experience, to Chief Pharmacist. C 9192

HILLINGDON HOSPITAL, HILLINGDON, MIDDLESEX
Locum Tenens Pharmacist

Salary by arrangement. Apply giving details of qualifications, etc., to Medical Director. C 9213

HORNSEY CENTRAL HOSPITAL, PARK ROAD, N.8
Chief Pharmacist (Category I)

required at this General Practitioner Hospital. Salary £730—£985 p.a. Candidates may visit the department by arrangement with the Hospital Secretary (MOU 6244). Applications, stating age, qualifications and previous experience, to Group Secretary, Archway Group H.M.C., 46 Cholmeley Park, N.6, within 10 days. C 9212

HORTON HOSPITAL, EPSOM, SURREY
Pharmacist

required. Salary scale £605-£815 maximum plus London Weighting. Special commencing rates for entrants with previous experience. Terms and conditions of employment in accordance with agreed Whitley Council awards.
The post is superannuable and the person appointed will be required to pass a medical examination. Accommodation available for single persons.
Applications stating age, qualifications, experience and names of two referees should be submitted immediately to the Physician Superintendent of the Hospital. C 9179

KING EDWARD VII HOSPITAL, WINDSOR (Category III Hospital)
Pharmacist

required immediately. Whitley salary. Applications giving details of service and names of three referees to Secretary. C 9154

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11
Locum Pharmacist

required. Salary by agreement. Telephone Chief Pharmacist. Reliance 3804. C 453

LEYTONSTONE (No. 10) HOSPITAL GROUP
Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the above post at Langthorne Hospital, Leytonstone, E.11.
Commencing salary according to age, i.e., at 21 £360 per annum, rising by annual increments to a maximum of £560 per annum. Whitley Council conditions of service.
Application forms obtainable from the Senior Medical Officer, to be returned by the 4th May, 1959. C 9181

MAYDAY HOSPITAL (Category IV)
Pharmacist

Locum tenens for holiday relief duties, June/September. £16 16s. weekly. Applications for part-time or temporary appointment considered. Application form obtainable from undersigned.
GEORGE A. PAINES,
Group Secretary,
General Hospital,
Croydon. C 9187

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General 501 Beds)
Pharmacist

required. Salary in accordance with Whitley Council Scale, plus London Weighting. Applications stating age, experience, qualifications and names of two referees to the Secretary. C 442

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist

required to work in a modern department. Apply to Hospital Secretary. C 445

MOUNT VERNON HOSPITAL, NORTHWOOD, MIDDLESEX
Senior Pharmacist

urgently required in main dispensary. Applications with names and addresses of two referees to the Group Secretary. C 9124

NOTTINGHAM No. 2 HOSPITAL MANAGEMENT COMMITTEE, NOTTINGHAM CITY HOSPITAL (811 Beds)
Deputy Chief Pharmacist (Category V)

required at the above hospital. Applications are invited for the above post, which is now vacant.
The City Hospital is a Group hospital and caters for the pharmaceutical requirements of a number of subsidiary hospitals in the area. Applicants should have a wide experience in hospital pharmacy and be capable of controlling staff. A knowledge of surgical instruments is desirable. The successful applicant will work under the Group Chief Pharmacist and will be required to assume complete control in his absence.
Further particulars regarding the post can be obtained on application to the Group Chief Pharmacist. Whitley conditions of salary.
Applications, stating age, qualifications and full particulars of previous experience, together with the names of two referees, should be sent to the Group Secretary, Sherwood Hospital, Nottingham, as soon as possible. C 9172

ROYAL INFIRMARY, DURHAM ROAD, SUNDERLAND (300 beds)
Locum Pharmacist

required from 25th May to 6th June and 4th August to 29th August, 1959. Salary by arrangement.
Apply in writing, to the Hospital Secretary. C 9184

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE
Deputy Chief Pharmacist

Applications are invited for the above post (Category IV) at Mile End Hospital, Bancroft Road, London, E.1. Whitley Council salary scale and conditions of service. The department is responsible for pharmaceutical supplies to another hospital and clinic in the Group and the preparation of sterile products. Further particulars may be obtained from the Chief Pharmacist. Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at Mile End Hospital not later than April 30, 1959. C 9156

ROYAL INFIRMARY, DURHAM ROAD, SUNDERLAND (300 beds)
Pharmacist

Applications are invited for the post of pharmacist in busy acute general hospital with Outpatients' Department. Good experience available. Whitley Council conditions.
Apply in writing, stating age and qualifications and naming two referees, to the Hospital Secretary. C 9185

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1
Senior Pharmacist

A vacancy exists from May 4. Salary according to experience. Write, giving the names of two referees to Chief Pharmacist. C 9150

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1
Pharmacist

A vacancy exists from May 4 for a basic grade Pharmacist. Salary according to experience. Write, giving the names of two referees, to Chief Pharmacist. C 9160

ST. THOMAS' HOSPITAL, LONDON, S.E.1
Locum Pharmacists

Two required from June 8 for approximately eighteen weeks. 16 gns per week. Apply Personnel Officer. C 451

ST. JOHN'S HOSPITAL, KEIGHLEY
Locum Pharmacist

required immediately. Salary £16 16s. per week. Residential accommodation available for females. Applications to Group Secretary, H.M.C. 17. C 9214

THE GENERAL HOSPITAL, DEWSBURY, YORKS
Pharmacist

required immediately for modern department in a Category III hospital. Post offers good experience including small scale manufacturing. Accommodation for single person can be arranged, if required.
Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer at the hospital. C 9186

TOOTING BEC HOSPITAL, TOOTING BEC ROAD, S.W.17
Locum Pharmacists

required for two weeks from June 8, 1959, also on a long-term engagement from May 1959. Salary by arrangement. Accommodation can be made available in the Male or Female resident homes, at moderate cost, if required.
Apply to the Chief Pharmacist. C 452

THE COUNCIL OF THE PROPRIETARY ARTICLES TRADE ASSOCIATION
(the "P.A.T.A.")

invite applications for appointment to the post of DEPUTY SECRETARY to the Association (a national pharmaceutical and drug trade organisation). The post is pensionable, and carries early prospects of promotion for the right man. First consideration will be given to men who have experience of trade association administrative work, hold a pharmaceutical and/or legal qualification and are about 40 years of age. Applications, with particulars of experience, qualifications, etc., and salary required should be sent to:

N. C. Jeffery
(President of the Association),
151 Lawrence Avenue, New Malden, Surrey,

marked "Deputy Secretary," and will be treated as confidential.

C 9190

WILSON HOSPITAL, CRANMER ROAD, MITCHAM, SURREY (66 Beds)
Chief Pharmacist (Category I)

required for duties mainly at this General Hospital but also to attend at Cumberland (100 T.B. beds) and Wandle Valley (152 isolation and geriatric beds) Hospitals.
Whitley Council salary and conditions. London Weighting payable. Apply giving full particulars of experience, together with the names of two referees, to the Group Secretary, St. Helier Hospital, Carshalton, Surrey. C 9134

TOOTING BEC HOSPITAL, TOOTING BEC ROAD, S.W.17
Locum Assistant-in-Dispensing

required, Whitley salary scale. Accommodation can be made available in the male or female resident homes, at moderate cost, if required.
Apply to the Chief Pharmacist. C 458

WINWICK & NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE
Applications are invited for the post of
Senior Pharmacist
in the Group Pharmaceutical Department at Winwick Hospital (2,305 beds).
Salary: £675—£865.
Applications giving date of birth, full particulars regarding qualifications, and experience together with names and addresses of two referees should be forwarded to the Secretary (Ref.: C&D/122), Winwick Hospital, Warrington. C 9153

Appointments—Continued

TOOTING BEC HOSPITAL MANAGEMENT COMMITTEE
Pharmacist
required at Tooting Bec Hospital, Tooting Bec Road, London, S.W.17. Permanent post. Whitley Council salary. Accommodation can be made available in the male or female resident homes, at moderate cost, if required. Apply to Physician Superintendent. C 446

TEACHING APPOINTMENTS

CITY OF LIVERPOOL EDUCATION COMMITTEE, COLLEGE OF TECHNOLOGY, BYROM STREET, LIVERPOOL, 3
The Governing Body invite applications for the appointment of
Assistant (Grade "B") in Pharmaceutical Subjects
Salary: Men, £650 x £25 to £1,025 per annum, plus 5 per cent.
*Women, £580 x £20 to £820 per annum, plus 5 per cent.
*(plus equal pay increments).
(Burnham Technical Report). To these scales additional graduate and training allowances, where applicable, will be paid. Increments up to a maximum of twelve may be allowed for professional or war service.
Applicants should be graduates in pharmacy or possess equivalent qualifications. The person appointed will be expected to take an active part in the expansion which will take place when the new college becomes available this year, and will be encouraged to undertake research.
Further particulars and application form (returnable by 16th May, 1959) may be obtained from H. S. Magnay, M.A., Director of Education, 14 Sir Thomas Street, Liverpool, 1.
THOMAS ALKER,
Town Clerk and Clerk to the Local Education Authority.
C 9202

SITUATIONS VACANT

RETAIL HOME

CHESTER. Pharmacist required to manage branch pharmacy, central position. Excellent prospects. Salary and commission. Box C 2208

DISPENSARY ASSISTANT (unqualified) required by Army & Navy Stores, Ltd. Half-day Saturday. No late evenings. Apply Staff Office, Artillery Row, Victoria, S.W.1. C 9206

LIVERPOOL. Pharmacist required to manage branch pharmacy on new housing estate shopping centre. Permanent position. Salary £1,040 per annum. No rota or Sunday duties. Dispenser and full supporting staff. Apply by letter to Metcalfe & Co., Ltd., 596 Prescot Road, Liverpool, 13. C 2188

NORFOLK. Unqualified assistant required for country market town. Mainly dispensing. Good living accommodation available. Apply, with full particulars, to G. A. Brighton, Chemist, High Street, Attleborough, Norfolk. C 2198

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

QUALIFIED MANAGER required for small branch business. Two lady assistants on staff. Suit young pharmacist, lady or male. Apply W. H. Hampton, Ltd., 47 Northgate Street, Gloucester. C 2212

WOLVERHAMPTON. F. J. Gibson, Ltd., 93 Darlington Street, have vacancy for assistant pharmacist. The position would be ideal for a young chemist desirous of obtaining first-class experience in a heavy dispensing business well known in the area. Applications should be forwarded to the Managing Director, Mr. A. Warburton, Ph.C., at the address stated. Telephone: Wolverhampton 23067. C 9216

LOCUMS WANTED

LOCUM Pharmacist required for periods June 22 to July 4 inclusive and any other fortnight between July 27 and September 5. Accommodation can be arranged. Apply, stating terms, to G. S. Fanthorpe, 209 Holderness Road, Hull. C 2209

A progressive career in

FLAVOURS TECHNOLOGY

StaffordAllenS

leading manufacturers of flavouring products for foodstuffs offer a progressive career in an old-established firm with a proud reputation for quality and reliability. Headquarters, including laboratories and various manufacturing departments, are at Wharf Road, London, N.1. The main works and herb farms are 60 miles out at Long Melford, Suffolk. A pension scheme is operative.

FLAVOURS DEVELOPMENT CHEMIST

At Wharf Road we need a young, qualified chemist in the salary range £900 to £1,200 to work in the rapidly expanding field of flavours for foodstuffs, confectionery and beverages. He would train initially under a senior flavours specialist. A pharmaceutical qualification would be an advantage, but is not essential. This appointment offers to a chemist with a flair for flavours wide opportunities to develop as an expert on flavours and their application.
Write in confidence, giving full particulars of qualifications and experience, mentioning Ref. C.D., to Mr. R. K. Allen, Managing Director, Stafford Allen & Sons Ltd., Wharf Road, London, N.1.
C 9217

RETAIL (OVERSEAS)

NORTHERN RHODESIA. Pharmacist required for retail. Air fare paid out, contract and good salary. Reply with full details air mail to Mr. R. Jackson, P.O. Box 183, Ndola, N.R. C 2211

WHOLESALE

BURROUGHS WELLCOME & CO.
will shortly appoint a pharmacist for duties in West Africa on behalf of their distributors in that market. Opportunity for man aged about thirty who is interested in a career in commerce. Duties will include sales promotion and administration. Younger man considered if he possesses qualities offsetting his lack of experience. Initially an 18 months' tour followed by 3 months' home leave on full pay. Good salary. Free accommodation. First-class air/sea passages. Car provided. Low rate income tax. Apply with full details to Ref. TPN/LPN, Burroughs Wellcome & Co., The Wellcome Building, Euston Road, London, N.W.1. C 9188

JUNIOR TECHNICAL REPRESENTATIVE required, preferably with experience and contacts in the Foodstuffs and Pharmaceutical Industries. Applicants should be in the age group 24-30, should have a chemistry degree, or diploma, and have completed National Service. Salary commensurate with qualifications will be paid. A contributory pension scheme is in operation. Full details of age, education, qualifications and experience should be sent to the Personnel Manager, Nipa Laboratories, Ltd., Roman Wall House, 1 Crutched Friars, London, E.C.3. C 2159

ASHLEY ASSOCIATES LTD
Specialists in executive selection and development
have been retained by CUSSONS, SONS & CO., LTD., of MANCHESTER, to advise on the appointment of

FIELD SALES MANAGER

responsible to the Sales Director and with the main task of controlling, guiding, training and developing a national sales force of about 40, selling quality soaps and toilet products to wholesale and retail chemists, grocers, etc.
Appropriate sales, sales training and management experience necessary, preferably with this type of product, allied with the ability to lead rather than drive.
Other requirements are sales imagination, flexibility of mind, determination without aggressiveness and willingness to travel extensively in the U.K. Residence within reasonable reach of Manchester would be of advantage.
The appointment presents an opportunity to join a progressive and expanding public company and offers real promotional and financial prospects. Excellent starting salary, car provided, pension and other benefits. Preferred age 35-40.
Please write to Ashley Associates, Ltd., Peter House, Manchester, 1, quoting reference No. 92.
The strictest confidence will be observed and no details of candidates will be passed to clients until candidates have been interviewed and have given their permission.
C 9204

AYRTON, SAUNDERS & CO., LTD., require a pharmacist for analytical and research work—preferably with some experience. The applicant will be encouraged to work for A.R.I.C. if not already so qualified. Five-day week; pension scheme. Full details of age, qualifications and experience in writing to: Technical Director, 34 Hanover Street, Liverpool, 1. C 9200

RIKER LABORATORIES LIMITED

wish to engage a number of medical representatives. The vacancies are in the following areas :—

1. Northumberland, Westmorland, Cumberland. 2. Staffordshire. 3. Central Scotland. 4. North Essex and Suffolk. 5. Worcestershire and East Warwickshire. 6. East Hampshire and West Surrey. 7. West and North Wales. 8. Cornwall and North Somerset. 9. Eire. 10. Northern Ireland. 11. West Kent and East Sussex.

Applications are invited from:—

1. **MEDICAL AUXILIARIES**

Previous experience is not essential as a full and comprehensive training will be given.

2. **RETAIL PHARMACISTS** (Up to 55 years of age)

There are many advantages (e.g. five day week, Pension, Company car, etc.) in taking up Medical Representative work with Riker. Our selection procedure is lengthy and carefully designed. An applicant can be sure that if he is selected, he will not find this kind of work unsuitable for him.

3. **EXPERIENCED REPRESENTATIVES**

Perhaps we can offer you the opportunity for which you have been looking. Riker offer working conditions among the best in the Pharmaceutical industry. We should be happy to talk things over with you. You need only write to the Home Sales Manager for an appointment.

RIKER are not yet ten years old in this country but already have an enviable record of progress in the Pharmaceutical industry through the efforts of our present staff. The Riker range of products is fast increasing and several more high calibre men are needed to complete our representative force.

We are not worried about upper age limits provid ng the previous experience is right. There is also the possibility of working overseas. Interested pharmacists and medical auxiliaries should write first to the Personnel Manager, Riker Laboratories Limited, Morley Street, Loughborough, Leics.

C 920

Situations Vacant—Continued

CHEMIST REPRESENTATIVE IN THE MIDLANDS. EVANS MEDICAL SUPPLIES, LTD., have a vacancy for a representative to call on chemists in south Birmingham, Coventry, Northamptonshire. Car and expenses provided. Pension scheme in operation. Apply giving full details to the Manag ng Director, Evans Medical (Midlands), Ltd., Kingswinford, Brierley Hill, Staffs. C 9183

CHEMIST REQUIRED. Premier cosmetic house with headquarters situated North London, urgently requires experienced chemist for production laboratory (manufacturing) work, with knowledge of oils, fats, waxes, liquids and powders. Pension scheme. Good opportunity for right man. Five-day week. Write giving age, experience, salary required. All applications treated in the strictest confidence. Box C 2210.

FIBRENYLE, LTD., manufacturers of polythene containers, require additional representatives for the Greater London area to call on manufacturing and wholesale chemists and hairdressing sundriesmen and also industrial users. Salary in accordance with age and experience. Out of pocket expenses and car allowance. Please write giving fullest particulars to: Fibrenyle, Ltd., 16 Gorst Road, London, N.W.10. C 9203

IMPERIAL CHEMICAL INDUSTRIES, LTD., Pharmaceuticals Division, has a vacancy for a graduate pharmacist at Trafford Park, Manchester. The post is a technical one, initially concerned with antibiotic manufacture but with prospects of subsequent transfer to research on formulations. Applicants should be under 30 and, preferably, should have had some industrial or hospital experience. An additional qualification in chemistry would be an advantage. Applications with full particulars should be addressed to the Staff Manager, Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire. C 9182

MIDLANDS REPRESENTATIVE. Leading manufacturing chemists require a representative for established territory in the Midlands. Candidates, who should be between 25 and 40 years of age, need not be pharmacists, but should have a sound pharmaceutical background. Experience of calling on the medical profession as well as the retail chemist would be an advantage. Remuneration by salary and commission. All expenses are paid and a company car provided. Box C 2201.

THE BRITISH DRUG HOUSES

INVITE Applications from

young Pharmacists

(preferably male)

or graduates in pharmacy and from students about to graduate, who are interested in pursuing a creative occupation in industry. The work will be mainly concerned with the formulation and development of new pharmaceutical products.

Conditions of employment are good.

There is a superannuation fund (contributory) and the company operates a life insurance and profit-sharing scheme.

Write stating age, qualifications, experience and salary required to the

Personnel Manager, Ref. HAC/RES.

THE BRITISH DRUG HOUSES Ltd.
Graham Street, N.1.

C 9194

JOHNSON & JOHNSON (GT. BRITAIN), LTD., will shortly be faced with the difficult task of filling a vacancy in their sales force caused by the retirement of their representative in the Cornwall and West Devon area. Accordingly, they now invite applications from experienced representatives, possessing tact, initiative and the ability to follow an outstanding and well respected salesman in this area. The company are prepared to pay well for the right man by the way of a good basic salary and high commission potential. In addition, all expenses will be paid, a company car provided and a contributory pension scheme is in operation. Representatives aged 25-40 who consider they have the ability to fill this important vacancy are invited to write now, giving details of age, education and career to date to the Pharmaceutical Sales Manager, 260 Bath Road, Slough, Bucks. C 9189

REPRESENTATIVES wanted for the sale of surgical dressings in all areas of the British Isles. Highly competitive prices. The right applicants should be well introduced amongst wholesale and retail chemists, hospitals, nursing homes, etc. Good commission and expenses. Apply in writing stating previous experience and requirements to Factory (First Aid) Supplies, Ltd., 48 Dorset Street, London, W.1. C 2192

WARRICK BROTHERS, LIMITED,
require
REPRESENTATIVES
in
London and Southern Home Counties

Salesmen of high integrity are invited to apply for the above appointments with this old-established pastille and lozenge House (makers of RINSTEAD PASTILLES). Priority requirement successful selling experience to Retail Chemists. Age limit will not be strictly applied to exceptional applicants. Remuneration mainly by salary with commission on increased business. Car and expenses provided. Applications, which *must* include full details of previous experience and personal background should be sent in strictest confidence to The Managing Director, 24 Wharf Road, London, N.1. C 9201

AGENTS WANTED

AGENTS WANTED by manufacturer to handle good household paper products on commission basis, must have established connection amongst wholesale and multiple chemists. Write Box C 2200.

SITUATIONS WANTED

RETAIL HOME

M.P.S.N.I. seeks position as dispenser in a hospital, London or elsewhere. Full particulars salary, etc., to Box C 2214.

PHARMACIST, experienced manager, multiple and private, seeks managership, Bristol only or immediate Locum. 6 Westleigh Park, Bristol, 4. C 2204

Situations Wanted—Continued

PHARMACIST, Scot, 34, married, three children, house and car owner, desires appointment any branch of pharmacy where wide comprehensive knowledge of retail pharmacy required. Minimum initial salary £1,500. Five-day week essential. London, Kent, Surrey. Box C 2213.

AGENCIES WANTED

ITALY. Agency facilities offered by English medical representative opening office and storeroom in Rome. Could undertake ethicals, toilet articles, cosmetics, sundries, etc. Would be pleased to discuss proposition in London. Excellent references. Box C 2203.

BUSINESS OPPORTUNITIES

POLLEN AND ROYAL JELLY

Big producer, corresponding in French and Spanish, looking for importer and distributor on a semi-wholesale and retail basis in all countries of the world.

JEAN HUSSON,
Gézoncourt par Dieulouard, M-et-M., France.

C 2172

SANITARY TOWELS.—Established manufacturer wishes make selling arrangements large multiple firms, distributors, wholesalers. Willing produce under customers' own name at competitive prices. Sole area distributorships considered. Proposition of definite interest to distributors having established connections. All enquiries treated in confidence. Box C 9195.

Newly formed

FRENCH PHARMACEUTICAL ORGANISATION

seeks to represent a well-known British manufacturer or laboratory for France and/or Europe, either by import from the U.K. or making up their products, under patent, on the Continent.
This is a young (average age 36) progressive and keen group of highly experienced men in all branches, viz., top executives in pharmaceutical business management—more than 16 years' experience — pharmacists (Doctor of Science) with laboratory research experience, particularly in the field of antibiotics, sales force, qualified secretarial staff, etc., and with fluent command of at least three languages.
The Group has sufficient capital to finance, develop and extend a suitable proposition.
Excellent personal and business references and testimonials are available.
A delegate of this Group is at present in London and will be pleased to take up the matter.
Please write in confidence, giving brief details, to Box C 2199.

WANTED

BUYER specialises in disposing of job lots of any lines appertaining to pharmacy. Any quantity considered. Prompt cash settlement. Willing to discuss adaptation of any line which is not quite suitable in its present state. Please send samples and full details to N. Morris, 218 Walworth Road, S.E.17. Tel. No.: ROD. 7261. C 395

EMULSIFYING WAX required for manufacturing purposes, large or small quantities. Box C 9197.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel: Bayswater 4020 and 7692. C 140

WANTED

SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION. SURPLUS AND OUTDATED FILM & PAPER, LARGE OR SMALL QUANTITIES.
Phone, write or call:—
SPEARS
(Dept. D.), 14 Watling Street, Shudehill, Manchester.
Phone: Blackfriars 1916.
Bankers: Midland Bank, Ltd.

C 438

PATENTS

PATENT No. 743674—
"IMPROVEMENTS IN FOOD COMPOSITIONS"

The Proprietors of Patent 743674 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country. Address enquiries to:—
W. P. Thompson & Co.,
Chartered Patent & Trade Mark Agents,
12 Church Street, Liverpool, 1.

C 2207

PATENT No. 746327—
"PROCESSES OF PREPARING SUBSTITUTED GLYCINAMIDES"

The Proprietors of Patent 746327 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country. Address enquiries to:—
W. P. Thompson & Co.,
Chartered Patent & Trade Mark Agents,
12 Church Street, Liverpool, 1

C 2206

PATENT No. 746834—
"TESTING FOR A SPECIFIC LACIOBACILLUS BIFIDUS GROWTH-PROMOTING SUBSTANCE"

The Proprietors of Patent 746834 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country. Address enquiries to:—
W. P. Thompson & Co.,
Chartered Patent & Trade Mark Agents,
12 Church Street, Liverpool, 1

C 2205

TENDERS

STOKE-ON-TRENT HOSPITAL MANAGEMENT COMMITTEE, PRINCES ROAD, STOKE-ON-TRENT

Tenders for the supply of Surgical Dressings, Plasters, etc.
The Committee invite Tenders for the supply of Surgical Dressings for a period of 12 months commencing 1st July, 1959.
Tender forms and conditions of contract, which may be obtained on application to the Group Supplies Officer, City General Hospital, Stoke-on-Trent, should be completed and returned to the Chairman, Stoke-on-Trent Hospital Management Committee, to arrive not later than 10 a.m., Saturday, 2nd May.
THORNBURROW GIBSON,
Group Secretary.

C 9209

HOLIDAY EXCHANGE

FRENCH CHEMIST with two sons aged 12 and 11, wishes contact English doctor or chemist with child similar age view arranging au pair exchange fortnight during Summer holidays at Hendaye. Possibility further lengthier exchanges subsequent years. Box C 2186.

MISCELLANEOUS SALES

FOR KEEN retail buyers, Loofahs first quality retail 6d.; Vacuum flasks retail 4s. 11d. Box C 2193.

MISCELLANEOUS

JODEZ (MANCHESTER), LTD., 8/10 Shudehill, Manchester, offer again the newest Spring-fashion jewellery from the Continent, also sales lines, Ear-rings, Necklets, etc., from 6d. upwards, tax included. Sample parcels from £5 upwards. C 9145



1959 First Class!
STEEL SHELVING
Rigid and Self Supporting Shelves Adjustable every 1"
It's New Unbeatable Value
ONLY THE BEST
Any Size, Fittings, Colour. Made to Order
Estimates FREE.

ORDER NOW! FREE Immed. Delivery
72" High x 34" Wide x 12" Deep.
70/- *EACH*
SIX Adjustable Shelves
Silver Grey or Olive Green "Stove Enamelled"
Three Units £10, Six for £19·10·0
Quantity Dis. Phone: MUSeum 0941

DEICHES Store Shelving (Dept. CD/S3)
102a Hindes Road, HARROW, Middlesex
Shelve it for SHOP DISPLAY, Offices, Stockrooms, Laboratories, Modern Units.
Showrooms: 64 Mortimer St., London, W 1

C9171

VERY SPECIAL BARGAINS. Genuine Zoflora in polythene spray bottles 9/- per doz., rubber gloves 12/6 per doz. pairs, Soothers 2 doz. for 6/- on display, teats 2 doz. for 4/- on display, combs in smart cases 3/- per doz. large dressing combs "Halex" 3/- doz., British made tooth-brushes each in cellophaned case 4/- per doz., genuine chamois leathers 11 in. x 10 in. 14/- per doz., very large chamois leather for cars, retail 9/11, 19 in. x 18 in., 5/10 each. Terms net monthly. 1½ per cent. 7 days. £3 carriage paid. J. T. Leaper, Ltd., 215 Crookes, Sheffield, 10. C 2202

SHOW & SELL
with Uni-shelf equipment

Attractive sets of Display shelves, 3 ft. x 3 ft. Section from £3 18 0. Adjustable brackets. Choice of shelf surfaces.

Send for details to:—

S.D.F. Equipments,
22 Charing Cross Road,
London, W.C.2

Tel.: Covent Garden 0181.

All fittings for Chemists' Shops.

C 2173

IMMEDIATE ADVANCES
£50 to £20,000
WITHOUT SECURITY
REGIONAL TRUST LTD.
8 CLIFFORD STREET
NEW BOND STREET, LONDON, W.1
Phone: Regent 5983 & 2914

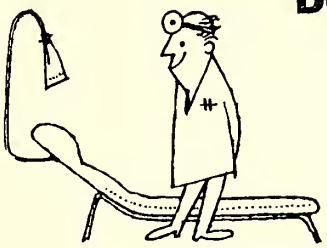
C 353

DEVELOPING AND PRINTING

QUALITY FIRST but QUALITY FAST
D and P
Guaranteed per return postal service
GWENT PHOTOGRAPHIC SERVICE
Snatchwood Works, Pontypool, MON
Telephone: Talywain 355

C 274

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5,
and published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2. 74/24



Bottles without bottlenecks



Most extraordinary case I ever had was a chap with bottle mania. He was a works manager. In charge of a filling line. No sooner saw a bottle on my shelf than he foamed at the mouth. Pulse was normal. Blood pressure down. No obvious damage to the brain. Failed to yield to normal treatment. Prognosis grim. Then I gave him a bottle to handle and he sprang to his feet. "Carry on Walters," he said. "We've got bottles again." Came out he was always running out of bottles. Cured, yes perfectly. He saw that his bottles were made by United Glass. Now he's getting his bottles without bottlenecks and he's rather sauer than I am.

United Glass supplies you with bottles on time. They can do this for one very simple reason: they have eight bottle factories, enough to keep their thousands of customers fully supplied—with no delays.

If you need expert advice on any aspect of glass packaging, please get in touch with United Glass. Their Glass Packaging Advisory Bureau will be glad to help you. Please write or 'phone.

UNITED GLASS

UNITED GLASS LTD., 8 LEICESTER STREET, LONDON, W.C.2. TEL: GERRARD 8611
TELEGRAMS: GLASPAK, LESQUARE, LONDON.

The CHEMIST AND DRUGGIST
APRIL 25 1959

THE ETHICAL MEDICAL PREPARATION FOR THE TREATMENT OF ASTHMA



Prescribed and recommended by the Medical Profession in Hospitals, Private Practice and Government Departments in all parts of the world to which it has been introduced.

Tax free Dispensing Pack available

BRITISH FELSOL COMPANY LTD
WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.
Telephone, CLErkenwell, 5862 Cables. 'Felsol', Smith, London.